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# AMAZING STORIES

#### Scientific Fiction

January, 1931 No. 10

PALES VENICO, TRANSPORTE AT ABJEST

In Our Next Inue

TELEVISION HILL (A Serial is Two Parts), Part I, by George McLacurd. With the coming of the new reventions recently completed in the

THE MAN WHO ANNEXED THE MOON, by Bob Cleen. We don't hear from Mr Cleen edees, but that is obviously because he will offer a story but that is obviously because lie will offer a story really worth while or lie word send as any The Moon has been written about a great deal, but that does not take away one bit from the requestment of this table, for the author is with-out a deader one sections where of ocietation feature

BEES FROM BORNEO, by Witt H. Gray. The

work of the aguasst is important, for the bee is one of the weeders of the workl. The very limitations that control them are most enterestrig. for there are there we with his ances them, and the green bee in one of the rejector of the mosest world. The author of "The Tide-Projectile Transportation Company, Lef.," gives us here an agenous a story of univasal increase.

COSMIC POWER, by J. C. Dare. In the struggle for anyremany between monty and science, to whom would go the spells? This short story Other arlentific fiction

In Our January Line

The Prince of Space 

Tanks Under the Sca. The Black Hand

Via the Time Accelerator 

What Do You Know? The Drums of Tapajos

The Act of Retinul In the Realm of Books

Discussions Our Coper

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Extraoagant Fiction Today - Cold Fact Tomorrow

### The Story of Motors

By T. O'Conor Sloane, Ph.D.

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# The Prince of

## By Jack Williamson

Author of "The Metal Man," "The Green Girl," etc.

DFBN the Lieb Observatory, which was built at the animal of Monst Hills on, 5855 for his, it terrestants experience, causast unity the autonomous, doe abservatory has would reach about twice that keight, such as the ear built by the relation is thin long, want the more leftly to fail the mode. Certails, early pipusas in the case built of the contract of the contra

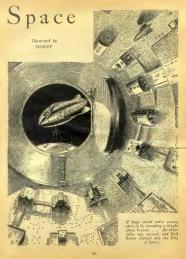
CHAPTER I
Ten Million Engles Reward!
"Space Filer Found Deliting with Two Hundred Deed!
Nationion Interplantary Partia-Prince of Space-Related to How Committed Charty Outsign!"

The control of the co

Bill stepped off the moving sidewalk by the cornor vending machine, dropped a coin as the slot, and received a copy of the damp shorthand strip delivered fresh from the presses by magazine tube. He read his story, stranfing in a hosy street the method querity with the whire of receive sales and the broke artificial drops of the thousands of electrically driven heliocars which spun smoothly along on rubber-view dwels, or easily lifted the molecular statements flight upon wharling heliogetes. Heliographic advices from the Moon Partiel flordryner was that the smaller flightness was found.

Heliographic advices from the Moon Faced, there drivery sees their the anality. Heliow was found today, it field, Universal Tana, drilling two thousand today, it field, Universal Tana, drilling two thousand today and the sees of the s

A crew was put about the Mikken from the congent, her where were cloud, and the will be longely truther but one somet ratus to the interest truther but one somet ratus to the interest truther but of the computer of which committed will be made. No attempt has been made to Marrilly the bolkes or most truther but of the committed for attraction of eacy and cold install the large when the limited of the committed to attractions a feed as the number of exercise of instances presentages. It is truthed but the committed to attractions a feed as the number of section of the committed to attractions a feed as the number of section of the committed to attractions a feed as the number of section of the committed to attractions a feed as the number of section of the committed to attractions a feed as the number of section of the committed to attractions a feed as the number of section of the committed to attract the committed the committed the committed that the committed the committed that the committed the committed that the commit



tional Confederation, Interplanetary Transport Lenar Mining Corporation, Sunship Corporation,

Vitalium Power Comman, and various other rockties, corporations, newspapers, and individuals, "Yen million engles!" Bill exclaimed. "The would

mean a private heliocar, and a long, long vacation in the He snorted, folded up the little sheet and thruse it into

his green silk tunic, as he sprang nimbly upon the mor-"What chance have I to see the Prince of Space?"

About him, the slender spires of widely sessed build ings rose two hundred stories into a blue sky free from dust or smoke. The white sun glinted upon ehouseness of darting believars, driven by silent electricity. He threw back his bend, gazed longingly up at an amazing structure that rose beside him-at a building that was the architectural wonder of the twenty-second century.

BEGUN in 2125, Trainor's Tower had been finished hardly a year. A stender white finger of aluminum canyons of the metropolis. Architeces had laughed, six years ago, when Dr. Trainor, who had been an obscure wratern college professor, had returned from a vacation trip to the moon and announced his pleas for a tower high enough to carry an autronomical observators

high as any in existence! It was fully, they said. And certain slorptics inquired how an importantous professor would get funds to put it up. The world had been mildly astronohod when the work began, it was astronoled when its full beight of nearly two and a half miles. A becom-

White cylinder for the upper thousands of feet of its The world developed a hungry curiosity about the ing atop the astounding tower. Bill had spent many hours in the little westing room before the locked door of the elevator shaft-bribes to the mand had been a bravy drain upon a generous expense account. But not

He had given his paper streething, however, of the with kindly blue eyes and a slow, patient smile. And Pania, his vivaciously beautiful drughter, a slen, small girl, with amusingly expressive eyes. She had been with takers to some of the world's most distinguished astrono-

And there was Mr. Cain-"The mysterious Mr. a slender man, tall and wire, lean of face, with dark

smile upon the thin, dark face that was handsome in a starm, magnifine sort of way. Bill storted pricked up by young must out of sight until he knew something about To Bill's wast autorialment, Mr. Cain advanced to ward him, with a quick, decisive step, and a speculative gleam lurking hamorously in his dark eyes. He spoke without persuble. "I beliew you are Mr. William Windsor, a leading

nothing about him-and what Bill could not unearth was It was rangored that he had advanced funds for build-

Impelled by habit, Bill sprang off the moving wall

as he glided past Trainer's Tower. He was standing

watching the impossive guard, when a man come pas

"True. And you are Mr. Cain-the mysterious Mr Cain !" The tall young man smiled pleasantly

"Just cell me Bil!" "-I believe that you are desirous of admission to

"I've done my best to get in." "I am going to offer you the facts you want about it provided you will publish them only with my permis-

"Thunks?" Bill ogreed. "You can trust sac." "I have a season. Trainor's Tower was built for a purpose. That purpose is going to require some pubhelty very shortly. You are better shie to supply that publicity than any other man in the world." "I can do it-servided-"I am sure that our cause is one that will etlist you

enthusiatic support. You will be asked to do nothing Mr. Cain took a thin white eard from his porket screwfed rapidly upon it, and handed it to Rill, who

read the words, "Admit bearer, Cain, "Present that at the elevator, at eight tonight. Ask to Mr. Colo walked rapidly away, with his lithe, springs step, leaving Bill standing, looking at the card, rather

At eight that night, a surprised ground let Bill into the waiting room. The elevator attendant looked at the

"Yes. Dr. Trainer is up in the observatory." The car shot up, carrying Bill on the longest vertical were flashing past them. The elevator stooped, The door swing open, and Bill stepped out beneath the crys-He was on the very top of Trainor's Tower.

The hot stars shone, hard and clear, through a metalribbed dome of polished vitrolity. Thereark the lower panels of the transparent wall. Bill could see the city spread below him-a mossic of fine points of light, sexttered with the colored winlong eyes of electric signs; it quizzied eyes. The reporter had been able to learn

ing. Electric motors wheread silently in its mechanism. and little lights winked about it. A man was sented at the eyepiece-he was Dr. Trainer, Bill saw-he was There was no other person in the room, no other in-

strument of importance. The massive belle of the tele-Trainer rose and came to meet Bill. A friendly smile

spread over his placed face. Blue eves twinkled with "Mr. Windsor, of the Herold-Sus, I suppose?" Bill modded, and produced a notehook. "I am very glad you came. I have something interesting to show you. Something on the planet Mars."

"No. No questions, please. They can wait until you Reluctantly, Bill closed his notebook. Trainer seated himself at the telescope, and Bill waited while he pecred levers. Motors whirred, and the great barrel swung

"Now look," Trainer communded. Bill took the reat, and peered into the eveniece. He saw a little circle of a curious luminous blue-bischness, with a smaller disk of light hanging in it, slightly sway-The disk was an otherous red, with darker spicoches and brilliassly white polar markings.
"That is Mars—as the ordinary astronomer sees it,"

Trainor said. "Now I will change eyepieces, and you will see it as no man has ever seen it except through this telescope." Rapidly be adjusted the great Instrument, and Bill

The red disk had expanded enormously, with great increase of detail. It had become a large red globe, with low mountains and irregularities of surface planely vivible. The prismatic polar caps stood out with glaring

whiteness. Durk, green-gray patches, spletched hurned orange deserts, and thin, green-black lines-the controversal "canals" of Mars-ran straight across the plants, tersecting at little round greenish dots. "Look carefully," Tramor said. "What do you see

of the disk and just above the country ?? Bill negred, saw a tisy round due of blue-it was very small, but sharply edged, perfectly round, bright against

the dull red of the planet. "I see a little blue soot," "I'm afraid you see the death-sentence of humanity?"

ORDINARILY Bill might have snorted—newspaperthere was something in the gravity of Trainor's weeds, said in the strangeness of what he had even through the giant telescope in the tower observatory, that made him

"There's been a lot of fiction" Bitt finally remarked 'The War of the Worlds,' for exemple. General theory seems to be that the Martians are drying up and want to steal water. But I never really-"I don't know what the motive may be," Trainor said,

"Yes, In 2009. Enters was a fool who thought that if a surship could go to the moon, it might go to Mars just as well. He must have been struck by meteorites." "There is no reason why Enbers might not have reached Mars in 2100," said Trainor. "The heliographic

"But we know that Mars has intelligent life-the carmly

There was no trouble then. We have very good reason to think that he landed, that his return was prevented by intellment beings on Mary. We know that they are using what they learned from his captured somship to launch an interplanetary expedition of their own!"

"And that blue spot has something to do with it?" "We think so. But I have authority to tell you noth ing more. As the situation advances, we will have need for newspaper publicity. We want you to take charge of that, Mr. Cain, of course, is in succeme charge,

You will remember your word to await his permission Trainor turned again to the telescope, With a little clatter, the elevator stopped again at the

entrance door of the observatory. A slender girl ran from it across to the man at the telescope "My daughter Paula, Mr. Windson," said Trainor. Paula Trainor was an exquisite being. Her large

eyes glowed with a peculiar shade of changing brown Black hair was shingled close to her shapely head. Her face was small, elfinly beautiful, the skin almost tranparent. But it was the eyes that were remarkable. In ish innocence, intuitive, are old wisdom, and grack intelligenco-intellect that was not coolly reasonable, but It was an oddly beffing face, revealing only the mood of the moment. One could not look at it and say that its owner was good or bad, inculpent or stern, gould or

the moment's thought-but the deep stream of her char-Bill looked at her keenly, noted all that, engraved the girl in the notebook of his memory. But in her he saw only an interesting feature story.

"Dad's been telling you shout the threatened invasion from Mars, eli?" she inquired in a low, banky voice Equid and delicious. "The most thrilling thing, isn't it? Aren't we lurky to know about it, and to be in the fight against it imstead of going on like all the rest of the world not dreaming there is danger?"

"Think of it! We may even go to Mars, to fight 'em on their own ground?" Remember, Pauls," Trainer cautioned, "Don't tell

Again the little clatter of the elevator. Mr. Cain had

come into the observatory, a tall, slender young monmario as Paula's. Bill, watching the vivacious pirl, saw her smile at

Cain. He saw her quick flush, her unconscious tremor. He puessed that she had some deep feeling for the man. But he seemed unaware of it. He merely nodded to the gart, glassed at Dr. Trainer, and spoke briskly to Bill "Excuse me, Mr. Win-er, Bill, but I wish to see Dr. Trainer alone. We will communicate with you when it get what you have seen here toright, and what the Bill, of necessity, stepped upon the elevator. Five

minutes later he left Trainer's Tower. Glassing up from the vividiy bright, bustling street, with its moving

see the starry heavens that had been in view from the But a brave cloud, like a cappy of vellow alk in the

light that abone upon it from the city, hung a mile above. news strep from a robot purveyor. In assaument and

PRINCE OF SPACE RAIDS TRAINGS'S TOWER the city, the daring interplanetary outlaw, the selfstyled Prince of Space, suspected of the Helicon outrage, suided Tramer's Tower. Dr. Trainer, bis missing this morning.

It is thought that the raiding ship drew herself cut through the walls. Openings sufficiently large to There can be no doubt that the raider was the "Prince of Space" since a card engraved with that

of the ourth-or so near it as the top of Tminor's and the Helicon outrage of vesterday. Stisupand

#### Bloodhounds of Space

"WO days later Bill jumped from a landing belieent, and was admitted to the Lakthurst base of the Moon Patrol. Nine alender symbins lay at the ade of the wide, high-fenced field, just in front of their sheds In the brilliant morning numbers they principlesed blos

nine huge octagonal ingots of polished ather These war-thers of the Moon Patrol were eight-sided. of steel and the new aluminum bronzes, with broad vision at enormous voltages from vitalium batteries, were little different in presence from the "curol ray" apparatus of drive the senable by resence-by the well-known prin-

focused on a point, the impact-pressure of their rays ter carbonized and burned away. And the positive charge carried by the ray is sufficient to electrocute any living

This Moon Patrol fleet of nine sunships was setting out in pursuit of the Prince of Spece, the interplanetary buccancer who had abducted Paula Trance and her father and the enjaments Mr Cain Bill was green aboard as special correspondent for the Harald-Son On the right before the Helicon, the surabio which

had been attacked in space, had been docked at Mismi world had been thrown into a frenzy by the report of

the men who had examined the two hundred dead on "Blood sucked from Helicon victims!" the loud

speakers were crooking. "Mystery of lost sunship upcorpore found on the wrecked space fiber show that the blood had been drawn from the bodies, apparently through cursous circular wounds about the throat and trunk. Every victim bore scores of these inexplicable scars. Medical men will not attempt to explain how the "In a more superstitions age, it might be feared that

the Prince of Space is not man at all, but a weird sampappressed that, since the wounds observed could have been made by no animal known on earth, the fiend may be a different form of life, from another planet."

just going on board the skinder, silver Fary, flagship of the fleet of nine war-flers. He had salled before with this Hoff, hard-debtuse guardaness of the space bases; he was given a hearty welcome. "Hunting down the Prince is a good-sized undertake

ing, from all appearances," Bill chieryed. "Rather," hir, red-faced Caream Broad arroad, "We have been after him seven or eight times in the peat few years-but I think his ship has never been seen. He must have captured a dozen commercial aunships." "You know, I rather admire the Princo-" Bill said, "or did until that Holicon affair. But the way those pes-

sengers were recated is simply unspeakable. Blood "It is hard to believe that the Prince is responsible for

-for all the sureline and money and millions worth of vitalium he has taken. And he has olways left his engraved card-except on the Helicon, "But anybow, we blow hom to eternity on sucht!"

through, and made their way along the ladder (now horizontal, since the ship lay on her side) to the bridge in the bow. Bill looked alertly around the odd little room, with its vitrofite dome and glistering instruments, while scaling the locks and tuning the motor ray generators. A red rocket flared from the Face. White lances of Deliberately they unturned from horizontal to vertical positions. Upward they flashed through the air, with Bill, standing beneath the crystal dome, felt the turn-

venient padded choir. He witched the earth become a He watched the heavy blue sky become deepest scare, then black, with a million still stars bursting out in pure colors of vellow and red and blue. He looked down again and saw the earth become corner, an engrances bright globe, mistily visible through haze or air and

Swiftly the olobe drow away. And a risy hall of silver, holf black, half rimmed with blinding flame, into view beyond the misty edge of the stobe-it was the

moon. winged with a crimon sheet of fire-hurling ourvering lances of white heat through the verolite panels. Blinding it was to look upon it, unless one wore heavily tisted

Before them hung the absorpd blackness of source. with the tanopy of cold hard stars blazing as tiny scintillast points of light, at an infinite distance away. The set with ten thousand many-colored yewels of fire. during man, who laughed at somety, and called himself

Flickering hellographs-swinging mirrors that reflected the light of the sun-least them in communication with scanned the block, star-studded sweep of souce for the

Days went by, measured only by deconometer, for the winged, white our burned crastlessly. The earth had shruple to a little bell of luminous green, linght on the

Sometimes the block vitalium wings were spread, to catch the energy of the sun. The sunship draws its unitizes the remarkable properties of the rare sudicaco tive metal, votalium, which is believed to be the very basis of life, space, it was first discovered to exist in to all life, the vitamina. Large deposits were discovered at Kepler and disewhere on the moon during the twentyfirst century. Under the such man attalians undergoes a change to tristomic form, storing up the vast energy of smilight. The vitalium plates from the sunper, from which the solar energy may be drawn in the form of electric current. As the battery discharges, the be used again and again. The Vitalium Power Corn-

T was on the fifth day out from Lakehurst. The Fary, with her sister ships spread out some shopsands of males to right and left, was cruising at five thousand males per hour, at beliocentric elevation 93 -

ascension XIX hours, 20 min. 31 sec. The corth was a little green slobe beside ber, and the moon a thin silver "Object shead!" called a lookout in the domed pilothouse of the Fury, turning from his telescope to where Captain Brand and Bill stood smoking, confortably held to the floor by the ship's acceleration. "In Scorpe, about five degrees shown Assures. Distance fifteen thomsond

miles. It seems to be round and blue." "The Prince, at lest?" Brand chuckled, an easer win on his square chinned face, light of battle flashing in his

243546, ecliptic decliration 7°, 18° 46° north, right

He gave orders that set the helicorarchic mirrors fickoring signals for all nine of the Moon Patrol fliers to converge about the strange object, in a great creacent. The black firs that carried the charging vitalium obtan thrown on, to drive ahead each slender silver filer at

strange object. Captain Beand and Bill took turns neceing through one of them. When Bill bedood he care aware sphere, glearning bright as a great globe cut from teropolic. Bill was reminded of a similar blue clobe he had seen-when he had stood at the enormous telescope on Trainte's Tower, and watched a little blue

Brand took two or three observations, figured swiftly "It's moving," he said, "Atom fouriers thousand miles per hour. Funny! It is moving directly toward the certh, almost from the direction of the planet Mara I wonder-" He seized the nerest, farmed again a point on the orbit of Mars, where that olanes was

about forty days ago. Do you suppose the Martisms are paying us a visit?" "I don't losow. Its direction might be just a coincidence. And the Prince might be a Martian, for all I

know. Anyhow, we're going to find what that blue Two hours later the nine sunships were drawn up in

Nue globe, which had been calculated to be about one hundred feet in dismeter. The sunships were nearly a thousand miles from the stoke, and scattered along a guerred line two thousand roles in length, Cartain Brand easy orders for eight forward tules on each dier to be made ready for me as weapons. From his own ship be flashed a beliggraphic signal, "The Fury, of the Moon Patrol, demands that you

and subtrit to search for contraband The message was three times repeated, but no early pany's plants in Arigons, Chili, Australia, the Salara,

came from the saure globe. It continued on its course, The slender white sunships came plunging swiftly toand the Gohi now furnish most of the earth's power. ward it, until the crescent they formed was not two The sunship, recharging its vitalium batteries in space, hundred miles between the points, the blue plote not a

Then Bill, with his eye at a telescope, saw a little spark of purple light sppear beside the blue globe. A tiny, bright point of violet-red fire, with a white line running from it, back to the center of the sphere. The purple spark grew, the white line lengthened. Alruptly, the AMAZING STORIES

neuronerman realized that the purple was an object E VEN as the realization burst upon him, the spark became visible as a little red-blue sphere, brightly

shot past, vanished. The white ray snapped cut.

"A wespen and a warning?" said Brand, still peering

through another expired. "And we reply?" "Heliogerob?" he shouted into a speaking tube. "Each ship will open with one forward tabe, operating one

second twelve times per minute. Increase power of rear tubes to compensate repulsion." White shields fickered. Blindingly brilliant rays. straight bars of dazzling opalescence, burst intermittently

from each of the nine ships, striking across a bundred miles of stone to batter the blue clobe with a bail of charged atoms. Again a purple spark appeared from the sapphire sithe, with a beam of white fire behind it. A timy number globe, burtling at an inconceivable velocity before a

liberation, yet too quickly for a man to do more than It struck a surship, at one tip of the crescent forms-

A darring flash of violet flame burst out. The time globe seemed to explode into a huge flare of red-bloc

light. And where the slim, eight-sided ship had been was a crushed and twisted mass of metal. "A solid projectile!" Brand cried. "And driven on ray always exploded the shell. And that was some explosion! I don't know what-unless atomic correy?"

The eight sunships that remained were closing swiftly upon the blue slobe. The dazzline white nove flushed intermittently from them. They struck the blue globe squarely-the lighting crews of the Moon Patrol are trained until their rays are directed with deadly accuracy. The azure sphere, unharmed, shone with bright radiance -it seemed that a thin mist of glittering blue particles was eathering about it. Her a dust of powdered asp-

Another corole spark least from the toronoise either In the time that it took a man's even to move from globe to slim, glistening sunship, the white ray had

driven the purple spork across the distance. Another vivid flash of violet light. And another amobin became a hurtling mass of twisted wreckage. "We are seven?" Brand quoted grimly.

"Heliograph?" he shouted into the mouthpiece. "Fire all forward tubes one second twenty times a minute. White rays burst from the seven durting suppling

flashing off and on. That samphire globe grew bright, with a strange luminosity. The thin mist of sportding "Our rays don't seem to be doing any good," Brand muttered, puzzled. "The blue about that globe must be

some sort of vibratory acreen." Another purple spark, with the parrow white line of violet light. Another ship was a twisted mass of metal. "Seven no longer!" Brand called gramly to Bill.

"Looks as if the Prince has not us beaten!" the re-"Not while a ship can fight?" exclaimed the Captain.

Another tiny purple globe traced its line of light across the black star-misted sky. Another southing crumoled in a violet flish.

"They're nicking 'em off the ends," Bill observed. "We're in the middle, so I guess we're last." "Then," said Captain Brand, "we've got time to ram "Control?" he shouted into the speaking tube. "Cut

off forward tubes and make all speed for the enemy-Heliograph! Pight to the end! I am going to ram Another red-blue anark moved with its quick deliber-

ation. A purple flish left another ship in twisted rain. Bill took his eye from the telescope. The blue globe, bright under the rays, with the sapphire mist sparkling about it, was only twenty miles away. He could see it with his saled eye, drifting swiftly among the familiar stars of Scornin.

It grew larger very swiftly, With the quickness of thought, the purple sparks moved out alternately to right and to left. They never

massed. Each one exploded in numbe flame, crushed a sunship. "Three filers left," Bill counted, eyes on the growing blue globe before them. "Two left. Good-by. Brand."

He grasped the bluff Captain's hand. "One left, Will He looked forward. The blue globe, with the duncing

sparking haze of sapphire swifting about it, was swiftly "The last one! Our turn now!" He saw a tiny firck of purie light dart out of the ex-

panding asure sphere that they had hoped to ram. Then red-violet flame seemed to envelope him. He felt the finor of the bridge tremble beneath his feet: He heard the beginning of a shivering crush like that of shattering glass. Then the world was mercifully dark and orbi-

#### CHAPTER III The City of Space

ILL lay on an Alpine glacier, a painful broken

Seg inextricably wedged in a crevasse. It was dark, frightfully cold. In win he struggled to move, to seek light and warmth, while the grim grin of the ice held lum, while better wind bowled about him and the pitroing cold of the blizzard crept numberely up his

He came to with a start, realized that it was a dream. But he was none the less freezing, gasping for thin, frigid au, that somehow would not come into his lungs. All about was derimess. He lay on cold mend

"In the wreck of the Fary?" he thought, "The sic is leaking out. And the cold of space! A frozen tomb!" He must have made a sound, for a groan came from beside him. He fought to draw breath, tried to speak, He choked, and his voice was oddly high and thin.

He ended in a fit of coughing, felt warm blood spray-

ing from his mouth. Faintly he beard a whisper beside "Tim Brand. The Moon Patrol--fourist to the last?"

Bill could speak no more, and evidently the reduchtits length Captain Smith clambered up the ladder Brand and Bill swung up behind him. ing sijence. Bill had no hope of life, be felt only very After an easy climb of fifty feet or so, they entered a grass satisfaction in the fact that he and Brand had not domed pilot-house, with vicrofite observation nancle.

of light cleft the darkness, searched the weekled bridge. settled upon the two limp futures. Bill saw protesting figures in dumbrous metal space setts clambering

being fastened about his head, heard the thin hiss of the escaping gas, and was once more able to breathe.

But suddenly he was thrilled with hope. He heard a

crash of hammer blows upon metal, sharp as the sound

thin hiss of an oxygen lance.

He awoke with the sensation that infinite time had passed. He sat up quickly, feeling strong, alert, fully recovered in every faculty, a clear memory of every detail of the disastrous encounter with the strange blue

He was in a clean had in a little white-walled coom

was buttly replacing elearning instruments in a leather A tall man appeared suddenly in the door, clad in a striking uniform of black, scarlet, and gold-black trousers, searlet military cost and cap, gold buttons and decorations. He carried in his hand a glittering positive

"Centlemon," he sald in a crisp, graff voice, "you man

"The Prince was kind enough to have you removed from the wreck of your ship, and brought aboard the Red Roser, his own sunship. You have been kept un-

conscious until your recovery was complete." "And what do you want with us now?" Beand wan The man with the pistol smiled. "That, conferent, I are happy to say, rests largely with yourselves,"

"I am an officer in the Moon Patrol," said Brand. "I prefer death to anything-"Walt, Captain. You need have none but the kindere feelings for my master, the Prince of Snace. I now ask was nothing but your word as an officer and a neathern

promise will lose you nothing and win you much." "Very good, I promise," Brand agreed after a mo-- (or twenty-four hours." He pulled out his watch, looked at it. The mun in

the door lowered his pistol, smiling, and walked across "Call me Smith," he introduced himself, "Capeain of

"And if you ake, gestlemen, you may come with me to the bridge. The Red Room is to land in an hour." Brand sprang nimbly to the floor, and Bill followed The filer was maintaining a moderate acceleration—they felt light, but were able to walk without difficulty. Be-

telescopes, maps and charts, and speaking tube-on arrangement similar to that of the Fary. Elsek, star-strewn heavens lay before them. Bill of anapping plans in the thin air. Then he heard the looked for the earth, found at visible in the perisconic screens, almost behind them. It was a little green disk, Someone was cutting a way to them through the the moon here a white dee beside it wrocknes. Only a moment later, it seemed, a visual has

"We land in an hour?" he exclaimed "I didn't say where," said Captain Smith, smilling "Our landing place is a million miles from the earth."

"Not on earth! Then where-"At the City of Space."

"The City of Space!" "The capital of the Prince of Space. It is not a thou-

Bill peered shead, through the vicrolite dome, distingualisd the bright countillation of Societarius with

the luminous douds of the Galaxy behind it. "The Prince does not care to advertise his city. The autide of the City of Space is covered with black vi-

tallium-which furnishes us with power. Reflecting none of the sun's rays, it cannot be seen by reflected light. Against the black background of space it is invisible, except when it occules a star." PAPTAIN SMITH busied himself with giving Carrain Smill Build and Brand stood for

many minutes looking forward through the vitrolite done, while the motor ray tubes retarded the flier. Prosently a fittle black point came against the aliver haze of the Malky Way. It grew, stars vanishing behind its rim, until a buge section of the heavens was utterly black he-

"The City of Space is in a cylinder," Captain Smith said. "Roughly five thousand feet in diameter, and about that high. It is built largely of meteoric iron which we captured from a meteorite swarm-making navigation safe and getting useful metal at the same that the centrifugal force against the sides equals the

force of gravity on the carth. The city is built around the inside of the cylinder-to that one can look un und see his neighbor's house apparently maide down, a mile above his head. We enter through a lock in one end of the cylinder." A wast disk of dall black metal was now visible a few

wands asstalde the vitrolite nonels. A huge metal valve swang open in it, revealing a bright space beyond. The Red Roper moved imo the chamber, the mighty valve closed behind her, air hissed in about her, an inner valve was opened, and she slipped into the City of

They were, Bill saw, at the center of an enormous cylinder. The sides, half a mile away, above and below them, were covered with buildings slong near, treebordered streets, southered with grown lawns, tiny gar-

drug and him of wooded mark. It seemed very strange to Bill, to are these endless atreets about the imide of a tube, so that one by walking a little over three miles in one direction would arrive again at the starting point.

in the same way that one gets back to the starting point At the ends of the cylinder, fastened to the buse metal

disks, which closed the ends, were elaborate and complex mechanisms, muchines strange and massive. "They must be for heating the eny," Bill thought, "and for purifying the air, for furnishing light and power, per-haps even for moving it about." The lock through which they had entered was part of this mechanism.

light, seeming large and sound as the sun, fleeding the

"There are five thousand people here," said Captain among his captives, and others have been recruited besides. We are self-sustaining as the earth is. We use

the power of the sun-through our vitalium batteries. We grow our own food. We utilize our waste productsmatter here goes through a regular cycle of life and death as on the earth. Mon est food containing carbon, breathe in oxygen, and breathe out carbon dioxide; our men to breaths again. Our nitrogen, or oxygen and

The power of hydrogen, go through similar cycles. the sun is all we need from outside." Captain Swith guided his "guests" down the ladder, and out through the ship's airlock. They entered an eleride of the great cylinder that boused the City, and entered a low building with a bread concrete road curving

un before it. As they stepped out, it gave Bill a curious a mile above his head. The read before them curved amouthly up on either hand, lordered with beautiful The cererifugal force that held objects against the

sides of the cylinder acted in precisely the same way as gravity on the earth-except that it pulled every from the center of the cylinder, instead of removal is A glistening believer came skimming down upon

whirling heliocopters, dropped to rubber tires, and rolled up bouds them. A young mus of mildary bearing, dad in a striking uniform of red, black, and gold, stepped out, salated stiffly. "Captain Smith," he said, "the Prince desires your at-

tendance at his private office immediately with your guests." Smith motioned Bill and Cantain Brand into the righly upholstered body of the heliocar. Bill, gasing up at the the thin that had brought them to the City of Space. It supported in a heavy metal cradie, with the elevator tube running straight from a to the building behind them.

"Look, Brand " Bill gasped. "That isn't the blue globe. It isn't the ship we fought at all?" Brand looked. The Red Rover was much the same sort of shin that the Fary had been. She was slender and tapering, cigar-shaped, some two hundred feet in length and twenty-five in diameter-nearly tween as large as the Fary. She was cylindrical, instead of octa-

"Where is the blue globe? Did you have two ships?" A strete fackered over Smith's stern face. "You have a revelation waiting for you. But it is better not to keep the Prince wasting."

clime rolled easily forward, took the air on spinning helicopters. The road, lined with green gardens and bright outlages, dropped away "below" them, and other houses drew nearer "above" In the center of the evinder the young man destrously inverted the fire; and they continued on a straight line toward an imposing concrete building which now seemed "below." THE believe landed; they sprang out and sp-proached the imposing building of several stories.

They stepped into the heliocar The pilot sprang to

his place, set the electric motors whirring. The ma-

Guards uniformed in scarlet, black and gold standing hurried his "guests" past; they entered a long, highceilinged room. It gave a first impression of stately luxury. The walls were paneled with rich dark wood hung with a few striking pointings. It was almost empty of furniture; a heavy desk stood alone toward the farther end. A tall young man rose from behind this desk, advanced rapidly to meet them. "My guests, sir," said Smith. "Captain Brand of the

Fury, and a reporter ! "The mysterious Mr. Cain?" Bill gasped. Indeed, Mr. Cain stood before him, a tall man, slender

and wiry, with a certain not unhandsome sternness in his dark face. A smile twinkled in his black, enigmetic eyes-which none the less looked as if they might earnly "And Mr. Win--- or, I believe you asked me to call

you Bill. You seem a very hard man to evade!" Still smiling enigmatically, Mr. Cain took Diff's hand and then shook bands with Carroon Beand "But-ere you the Prince of Space?" Bill demunded

"And you kidnaped yourself?" "My men bought the Red Roser for me."

"Dr. Trainer and his daughter-" Bill eincubred. "They are friends of mine. They are here." "And that Mus globe!" said Centain Brand, "What was that?"

"You saw the course it was following?" "It was headed to intersect the orbit of the earthand its direction was on a line that cuts the orbit of Mars where that planet was forty days ago." The Prince turned to Bill. "And you have seen some-

thing like that blue globe before?" "Why, was. The little blue circle on Mars-that I saw through the great telescope on Trainer's Tower."

A sober smile fickerred scross the dark lean face of

"Then, gentlemen, you should believe me. The earth is threatened with a dreadful danger from Mars. The blue globe that wrecked your first was a stop from Mora. believe I have credit for that ginssly exploit of sudding out the passengers' blood." His smile became gramb humorous, "One of the consequences of my position."

did we come to be on your shin?" "I haven't any weapon that will ment those purple atomic bombs on equal terms—shough we are now working out a new device. I had Smith crussing around the blue globe in our Red Roper to see what he could learn, He was investigating the wrecks, and found our alloy " near the earth?" Cantain Brand was frankly incredulous earth, in fact," He turned to the desk, nicked up a broad sheet of

"I have a color photograph here," Bill studied it, saw that it looked like an aerial pho-

tograph of a vast stretch of mountain and desert, a monof Chihuahna, Mexico. And see!" He pointed to a little blue disk in the green gray ex-

panie of a plain, just below a narrow mountain ridge. with the fine green line that marked a river just beside it. "That blue circle is the first ship that eame. It was the things abourd it that sucked the blood out of the

Coptain Brand was storing at the tall, smiling men

with a curious expression on his red, square-chimed Your Highness, or whatever we must call you

"Just call me Prince. Cain is not my name. Once I had a name-but new I am nameless! The thin dark face suddenly lined with pain, the lips closed in a mirrow line. The Prince swept a hand across

"Well, Prince, I'm with you. That is, if you want an officer from the Moon Patrol." A sheepish smile man for suggesting that I would ever do such a thing.

But I'll fight for you as well as I ever did for the honor "Thurses, Brand!" The Prince took his haud, and-

"Both of you will be valuable men," said the Prince

He picked up a sheaf of papers, scanned them quickly seemed to mark off one item from a sheet and add another "The Red Rover sets out for the earth in one hour gentlemen. We're going to try a surprise attack on that

blue globe in the desert. You will both go abourd."
"And I'm reign too!" A wormen's voice, soft and a little husky, spoke beside them. Recognizing it. Bill turned to see Paula Trainor standing behind them, an eager smile on her elfinly beautiful face. Her smaring even were fixed upon the Prince, their house darcha

filled, for the moment, with postionate winful yearn-"Why, no, Paula," the Prince said. "It's dangerous?" Tears swam mastily in the golden orbs. "I will ro!

eatch in her voice "Very well, then," the Prince agreed, smiling absently "You father will be along of course. But anything will

"But you will be there in danger, too!" ened the girl "We start in an bour," said the Prince. "Smith, you

may take Brand and Windsor back aboard the Red "Curse his fatherly indifference!" Bill muttered under his breath as they walked out through the guarded door.

Smith must have heard him, for he turned to him, spoke consideratially, "The Prince is a determined mis-

evenly up on either side of them and met above, so that men were moving about, head downward directly above The beliocar was waiting. The three got abound, were lifted and swiftly carried to the slender silver cylinder of the Red Rover, where it hung among the penderous anathintry of the air-lock, on the end of the bure cy-

linder that housed the amazing City of Space. "I will show you your rooms," said Captain Smith. "And in an hour we are off to attack the Martians in

#### Vannaires in the Desert

ORTY hours later the Red Rover entered the atmosphere of the earth, above northern Mexico. It was night, the desert was shrouded in blackness. The telescopes revealed only the lights at reaches scat-Bill was in the bridge-room, with Captain Smith. "The hine slobe that destroyed your first has afready landed here," Smith said. "We saw both of them before

they slipped into the shadow of night. They were right together, and it seems that a white metal building has "The Prince means to attack? In spite of those purple atomic bombs?" Bill seemed surprised

"Yes. They are below a low mountain ridge. We land on the other side of the hill, a dozen miles off, and "We'd better be careful," Bill said doubtfully

"They're more likely to surgeise us. If you had been in from of one of those httle purple bombs, flying on the

white ray !" "We have a sort of rocket torpedo that Doc Trainor invented. The Prince means to try that on 'em. The Red Rener drooped swaftly, with Smith's skilled

hands on the controls. It seemed but a few minutes until were climps of measurite and surclimate. The sline silver ordinder came silently to rest upon the desert, bemosth story that shone clearly, though to Bill they seemed

dim in comparison with the splendid wonders of space Three hours before dawn, five men slipped out through the air-lock. The Prince himself was the leader. with Contains Brand and Smith, Bill, and a young officer named Walker. Each man carried a searchlight and a positive ray pistol. And strapped upon the back of each

was a rocket torpedo-a smooth, white metal tube, four feet loor and as many inches thick, wrighing some eighty Dr. Trainer, kindly, hold-headed old scientist, was

left in charge of the ship. He and his daughter came out of the air-lock and the darkness, to bid the five adventurers farewell "We should be back by night," said the Prince, his even white teeth flobing in the darkness. "West for us until then. If we don't come, return at once to the City

made to rescue us if we don't come back. If we aren't back by tomorrow night we shall be dead." "Very good, sir," Trainor nedded. "I'm coming with you, then," Paula declared suddenly-

Trainer. I command you not to let your daughter off

the ship until we return." Pania turned quickly away, a slim pillar of misty white in the darkness. Bill heard a little choking sound

he knew that she had burst into sears. "I can't let you go off into such danger, without me!" The Prince swone a heavy torondo higher on his shoulders, and strone off over bare gravel toward the

low rocky slope of the mountain that lay to northward, faintly revealed in the light of the stars. The other four scientist and his sobbing daughter outside the air-lock,

With only an occasional contious flicker of the flashlights the five men picked their way over bare hard ground, among scattered clumps of mesoulte. Presently blocks of twisted block volcanic rock. Up the slope of

the mountain they struggled, swearing under heavy burdens, blandering into spiky cactes, stumbling over When the other and rose of dawn came in the purple eastern sky, the five lay on bere rock at the top of the low ridge, overlooking the flat, meaquite-covered valley

beyond. The valley floor was a brownish green in the light of morning, the bills that rose for across it a hazy Like a string of emeralds dropped down the valley lay an endless wandering line of cottorwoods, of a light and vivid green that stood out from the somber plain. These trees traced the winding course of a stream, the

Lying against the cottonwoods, and rising above their tors, were two great spheres of blue, glearing his twin globes of lands landli in the morning light. They were

not far apart, and between them rose a curious domed structure of white, silvery metal. Each of the five men lifted his heavy ment tube. leveled it across a boulder before him. The Prince,

through the desert, spoke to the others. "This little tube along the top of the torpedo is a releases sints. You will peer through, set the cross beirs squarely upon your target, and hold then there. inside the case to apinning so that inertia will hold it true. Then, being certain that the aim is correct, press

the red button. The torpedo is thrown from the case by compressed sir, and a positive ray mechanism drives it true to the target. When it strikes, about fifty pounds of

Walter, you and Windsor take the right globe Smith and Brand, the left. I'll have a shot at that pecu-Bill balanced his torpedo, peered through the tele-scope, and pressed the lever. The hum of a motor came

"Rosdy," cach man returned.

backward in his hands, and then was but a light, sheet metal shell. He saw a little gleam of white light before him, against the right blue globe, a diminishing point. It was the motor ray that drove the torondo appeding toward its mark. REAT flares of orange light hid the two artire GREAT mires of white dome between them. The

Bill nessed the red betton. The tube dross beauth-

spheres and the dome crumpled and variabed, and a thin haze of bluish smoke swirled about them "Good shooting?" the Prince commented, "This motor toroedo of Trainor's quebt to put a lot of the old fighting equipment in the museum-if we were disposed to

bestow such a dangerous toy upon humanity. "But let's get over and see what happened." Grasping ray pistols, they sprang to their feet and planged down the rocky sions. It was five miles to the river. Nearly two hours later it was, when the five

men alipped out of the mesquites, to look two hundred yards across an open, grassy flat to the wall of green trees along the river. Three great beans of wreckage lay woon the flat. As the risks and the left were crumpled masses of bright silver metal-evidently the remains of the elobes. In

the center was another pile of best and swisted metal. which had been the domed building "Furny that those blue globes look his ordinary white metal now." said Smith. "I wonder if the blue is not some sort of etheric

screen " Brand commented. "When we were fighting, our rays seemed to take no effect. It occurred to me that some vibratory wall might have stopped them. "It's possible," the Prince agreed. "I'll take up the it might even be oppose to errority. Oute a convenience

in maneuvering a ship." ping to pick up bits of white metal that had been scattered about by the explosion

Suddenly Bill's eyes eaught movement from the pile of crumpled metal that had been the white dome. It seemed that a green plant was growing quickly from among the ruins. Green tendrile shot up americally Then he saw on the end of a twisted stalk a glowing

purple thing that looked somehow like an eye At first sight of the thing he had stooped in amount ment, leveling his deadly ray pisted and shouting, "Look Before the shout had died in his throat, before the

others had time to turn their heads, they caught the fissh of metal among the twining green tentscles. The thing was lifting a metal object. Then Bill saw a tirry purple spark dare from a bright

little mechanism that the green tendrals held. He saw a blinding flash of violet light. His consciousness was cut

The next he know he was lying on his back on rocky right eye was awollen so that he could not open it

Struggling to a sitting position, he found his hands and fort bound by bloody manacles of unfamiliar design Captain Brand was lying on his elbow beside him, halt under the thin shade of a measuite bush. Brand looked

much torn and disheveled; blood was streaming across his face from a pash in his scale. His hands and feet also were bound with fetters of white metal.

"I can speak for myself," Hearing the familiar low voice. Bill turned. He saw

the Prince sountted down, in the blazing sumhine, hands and feet manacled, hat off and face covered with blood

"Was it that-that green thing?" Bill asked "Looks like a sort of animated plant," said the Prince. "A bunch of green tentacles, that it uses for hands. Three numbe eyes on green stalks. Inst enough of a body to join it all together. Not like anything I ever saw. But the Martinus, originating under different con-

ditions, ought to be different." "What is going to happen now?" Bill inquired "Probably it will suck our blood-as it did to the passengers of the Helicon," Brand successed orimin. Windsor fell silent. It was almost noon. The desert ann was very hot. The motionless air was engressive with a dry, parching heat; and flies buzzed annoyingly

about his bleeding cuts. Wrists and ankles sched under the cruel pressure of the manacles. With the thing would come back, and end the sus-

Bill reflected with satisfaction that he had no relatives to be suddened by his demise. He had no great-fear of

death. Newspaper work in the twenty-second century is not all commontiace monocony; your veteran reporter is presty well insered to danger

"Glad I haven't anyone to worry about me," he ob-

"So am I." the Prince said bitterly, "I left them all, "But you have someone!" Bill cried. "It isn't my business to say it, but that makes no difference now.

And you're a fool not to know, Paula Trainer loves The Prince looked up, a bitter smile visible behind the bloody grime on his thin dark face.

"Paula-in love with me! We're friends, of course. wars a nameless outcase of space. Once I had name. family-even wealth and position. I trusted my name said she loved mount thought she means it. She used me for a tool. I was crustful; she was clever."

The dark eyes of the Prince burned in fierce anger "When she was through with me she left me to die in disgrace. I barely escaped with my lafe. She had robbed me of my name, wealth, position. She named me trusted me-then laughed at me. She laughed at me and called me a fool. I was-but I won't be again!" "At first I was filled with anger at the whole world, at the unjust laws and the ailly conventions and the ernel intolerance of men. I became the nimte of apace, A parish. Fighting against my own kind. Struggling

For a few moments he was moudily silent, slapping at the flies that burned around his bloody wounds, Mars. First I was shad. Glad to see the race of man swept out. Parasites men seemed. Insects, Life-what

got a saper view, and built the City of Space, to save "But it is too late. We have lost. And I have had enough of love, enough of women, with their soft, alluring bodies, and the sweet lying voices, and the heartless

is it but a kind of decay on a mote in space? Then I

THE Prince fell into black silence, motionless, heed-less of the flies that swarmed about him. Presently Brand contrived, descrite his manacles, to fish a nacket of ciparettes from his pocket, extract one, and tossed the The three battered men sat in dazzling sun and blistering heat, smoking and trying to forget heat and flies and torturing masseles-and the death that loomed so near, It was early noon when Bill heard a little rustling

beyond the mesources. In a moment the Martian anpeared. A grotesque and terrifying being it was, Scores of green tentacles, slender and writing, grew from an insignificant body. Three lidless, purple eyes, staring, alien, and molevolent, watched them sleetly from fortlong green stalks that rose above the body. The creature half walked on tentacins extended below it, half drawed itself along by green appendages that reached out to grasp mesquite limbs above it. One inch-thick coal white metal-it was a stronge, elegating thing remotels like a ray pistol. And fastened about another tentacle

was a little metal ring, from which an odd-looking little ber dereled. The thing came sensight for the Prince. Bill acreamed a warning. The Prince saw is, twisted himself over on the ground, tried desperately to crawl away. The thing reached out a slender tentucle, many yards long.

It grasped him about the neck, drew him back, a writhing green mass above the body of the manacled man. Once he acreamed pitcously, then there was no

sound save loud, gasping breaths. His muscles knotted as he struggled in agony against the fetters and the colliof the mouster Bill and Captain Brand lay there, unable either to the scene. They saw that each slender green tentacle ended in a sharp-edged suction disk. They watched the

disks forcing themselves against the threat of the agonized man, tearing a way through his ciothing to his body. They saw constrictions move dozen the rebber-like green testarbe at if they were surking, while red drops goged out about the edge of the disks "Our turn next," muttered Captain Brand.

"And after us, the world!" Bill breathed, tense with

A rarrow, white beam, blindingly brilliant, flashed from beyond the dull green foliage of the measuite. It struck the crosching moreter waveringly. Without the Prince. It reised its curious weapon. A tiny nurele spark darted from it

A shottering crash rang out at a little distance. There Then the white ray stabbed at the mornter again, and

it collapsed in a twitching heap of thin green coils, upon A slender girl rushed out of the brush, towed saids to drag it from the Prince. It was Paula Trainor. He cluthing was som. Her skin was sentithed and bleeding from miles of running through the desert of rocks and cartus and thornly meagant. She was evidently exhausted. But she same breast with desperate energy to the reverse of the insured man.

The body of the dead thing was light enough. But the sucking disks still cluing to the flesh. They pulled and store it when alse tugged at them. She struggled desperately to drug them loose, by terms achbing and laugh-

ing hysterically.
"If you can help us get loose, we might belp," Bull supported.
The girl raised a piteous face "Oh, Mr. Bill—Cap-

tain Beand? Is be dear?"

Third not, Man Pauls. The thing had just jumpel?

In him. Buck up?"

"See the little bar—it looks like a silver of aluminum—fastened to the metal ring about that coll?" Brand

—Hatened to the mean ring about that cost? Inmo said, "it imple be the key for these chains. End of it access to be shaped about right. Suppose you try it?" In nervous haste, the girl tore the little bar from its ring. With Benn's aid, abe was able to winck his fetters. The Captum lost no time in freezing Bill and

removing the manacles from the unconscious Prince.

The thin, rubber-like teritacles could not be seen loose
Brand out them with his leafe. He found them sough
and filtrous. Red blood flowed from them when they

Bill carried the injured man down to the shade of the cottonwoods, brought water to him in a bat from the maddy little stream below. In a few minnes he was conscious, though weak from loss of blood.

consistion, through wold from toos of blood.

Captain Frand, after suitisfying himself that Paulis had killed the Martina, and that it was the only one has had survived in the wreckage of the those globes and the metal derive, set off to cross the mountain and bring back the strokes.

When the Red Roser came into view late that evening, a beautiful stender har of selver against the protechning pill and search apleader of the desert sunset, the Prince of Space was helbiling about, supported on Bdl's arm, examining the wreckage of the Martian

dire.

Jina was hovering engerly about him, analous to said ham. Bill noticed the pain and depair that cloudsed her become eyes. She had been helding the Prince's head in her arms when he regenence openionsenses. Her jon

in her arms when he regamed consciousness. Her kinhad been very close to his, and bright tears were beinming in her golden eyes.

Bill had seen the Prince push her away, then theak her graffly when he had found what she had done.

"Psals, you have done a great thing for the world," Bill had heard him say.
"It wasn't the world at all! It was for you!" the girl

"It wasn't the world at all! It was for you!" the girl had cried, tearfully.

She had turned away, to hide her tears. And the Prince had said nothing more.

The Red Recer landed beside the wrockage of the

Martian filers. After a few hours spem in examining and photographing the wrecks, in taking specializes of the white slip of which they were built, and of other substances used in the construction, they all west back on the aumhity, taking the dead Martian and other objects for further study. Beand took off for the upper

"Caption Brand," the Prince said as they stood in the bridge room, "disco the doth of poor Captain Smith this merring, I believe you see the most shifted maniple officer in my organization. Hereafter you are in command of the Red Rever, with Harrin and Vincent as your officers.

They design with the before in. The victory we have were it but the first head in the game that deceler the fast of Early.

CHAPTER V

The Taisante Transmiss

MUST have at least two tons of vitalium," the Prince of Space sold Bill, when the newspaperman came to the bridge of the Red Roser after

trenty loans in the bark. The Prince was pele and weak from loss of blood, but seemed to suffer no other ill effects from his encounter with the Martian. "Two tens of vitalium?" Ball exclaimed, "A small dermand! I doubt if there is that much on the market,

if you had all the Confederation's treasury to buy it with."
"I must have it, and at once! I sen going to fit out

"I must have it, and at once! I sm going to fit out the Red Rever for a vaying to Mars. It will take that much vitalium for the batteries."
"We are going to Mars!"

y "The only large for humanity is for us to strike first and to atrike hard!" "If the world knew of the danger, we could get belo."

"That's where you come in. I sold you that I should need publishey. It is your business to 100 the published the published things. I went you to tell humanity about the darger from Marn. Make it enoughted and make it strong: Sey anything you like so long as you love the Prince of Spece mo to it. I have he keyl of the Martinia that attacked the preserved in nichol. You have that and the writings in the desert in metherating your strongers with the property of the property of the strongers. You will have twenty-four hour to convince the words, and make two tests of visibless. It has to be words, and make two tests of visibless. It has to be

"A big order," Bill seld doubtfully. "But I'll do my best."

The city was a bright curpet of twinkling lights when

the Red Reser darted down out of a black sky, hoversing for a memoral over Transer's Tower. When it finded away, Bill was standing stone on top of the lottices building on earth, in his pecket a sheat of manuscript on which he had been at work for many hours, beside tim a bully pastage that comission the preserved body of the wered morater from Mars. He oresend the trapsfore—which was conveniently up-

locked—took up the package, and clambered down a laider into the observatory. An intent man was husy at the great telescope—which pointed toward the red planer the Mars. The men looked understandingly at Bill, and noded toward the electron

Mars. The man looked understandingly at Pell, and nedded toward the elevator.

In half am hear Bell was exhibiting his peckage and his manuscript to the night editor of the Herald-Swe "The synchesis sews in the century" he cried. "The

Earth stateded by Marrel It was a Martin stip that sook the Helicon. I have one of the dead creatures from Mars in this boot.

The astunded editor forested a quick opinion that the state reporter had met with some terrifying expecally while Bill related a true enough account of the cruise of the Moon Patrol shaps, and of the battle with the blue globe. Bill omitted any mention of the City of Space and its criematic ruler; but let it be assumed that the Fory had rammed the clobe and that it had fallen in the desert. He ended with a wholly fictitious up in a supplier, had told han of the invoders from Mars. and had sent him to collect two tons of vitalium to count his ship for a rold on Mors. Bill had soon many

as plausible as the amazing reality of the Prince of Space

The skeptical editor was finally convinced, as much by his faith in Bill's probity as by the body of the green monster, the scrape of a strange white metal, and the photographs, which he presented as material evidence. The editor radiced to have a plane sent from El Paso. Texas, to investigate the wrecks. When it was reported that they were just as Bill had said, the Hereld-Swa suped an extra, which carried Bill's full account, with photographs of the dead monster, and scientific accounts of the other evidence. There was an appeal for two tons of vitalium, to enable the unknown sciencist to save the

world by majone a raid on Mars. The story created an enormous sensation all over the world. A good many people believed it. The Herald-See actually received half a nullion earles in subscriptions to buy the vitalium-a sum sufficient to purchase about eleven ounces of that precious metal.

was instrue. It was charged that the Herald-Sun was attempting to expand its circulation by a baseless carned. Worse, it was charged that Bill, perhaps in complicity with the management of the great newspaper, was making the discovery of a new sort of creature in some far corner of the world the basis for a gigantic fraud, to

socure that yest amount of vitalium. Examination proved that the wrecks in the desert had been denselished by explosion instead of by falling. A vent collection of the subscriptions, and Bill might have

been arrested, if he had not wisely retired to Trainor's Finally, it was changed that the girate, the Prince of Space, was at the bottom of it-possibly the charge was raids had always been vitalism. A rival paper asserted

that the purate most have captured Bill and sent hun back to Earth with this fraud Public excitement became so great that the reward for the exoture of Prince of Source dead or alive, was

raised from ten to fifteen million eagles. Trainer's Tower, Bill was waiting there again, with bright stars above him, and the carpet of fire that was New York spread in great squares beneath him. The slim gilver ship come gliding down, and hung just beside the vitrolite donte while eager hands helped him through the air-lock. Beyond, he found the Prince

"No luck," Bill grunted honelessly. "Nobody believed it. And the town was getting too hot for me. Lucky

I had a getaway." The Prince smiled bitterly as the newspaperman told of his attempt to enlist the aid of humanity

men. It might be better, in the history of the cosmos, to let the Martians have this old world. They might make something better of it. But I am going to give humanity a chance-if I can. Perhans man will develop into something better, in a million years, "Then there is still a chance-without the vitalium?" Bill asked eagerly. "Not without vitshum. We have to ru to Mare. We must have the metal to fit our filer for the true. But I

"About what I expected," he said. "Men will set like

have needed vitalium before; when I could not buy it.

"You mean-oiracy!" Bill gasped. "Am I not the Prince of Space-'notorious interplanetary outlaw' as you have termed me in your paper? And is not the good of the many more then the good of the few? May I not take a few pounds of metal from a rich corporation, to save the earth for humanity?" "I told you to count me in," said Bill. "The idea was just a little revolutionary," "We haven't wasted any time while you were in New

York. I have means of keeping posted on the shipments of vitalium from the moon. We have found that the sunship Triton kaves the moon in about twenty hours, with three months production of the vitalium mines in the Kenler erater. It should be well over two tone."

THIRTY hours later the Kea Kouer was delegated and no HIRTY hours later the Red Roser was drifting at light showing. Men at her telescopes scanned the heavens moonward for eight of the white repulsion rays of the Most of the world laughed. It was charged that Bill

Bill was with Captain Brand in the bridge-room. Eager light finshed in Brand's eyes as he peered through the telescopes, watched his instruments, and spoke brisk orders into the tube

"How does it feel to be a pirate?" Bill asked, "after so many years spent hunting them down?"

Captain Brand grinned, "You know," he sald, "Pve

wanted to be a buccaneer ever since I was about four years old. I couldn't, of course, so I took the next best thing, and hunted them. I'm not exactly orieving my beart out over what has happened. But I feel sorry for my old pals of the Moon Patrol Somebody is going to "And it may be we," said Bill "The Tritos will be

convoved by several war-fliers, and she can fight with her own rays. It looks to me like a hard nut to crack." "I used to dream about how I would take a ship if I were the Prince of Space," said Capean Brand. "Two just been talking our course of action over with him. We've agreed on a plan."

In an hour the Prince and Dr. Trainer entered the bridge. Paula appeared in a few moments. Her face

"Oh, about as well as ever, thanks," the less young man replied in a careless voice. His dark emergant ever evident unhappiness. He met her eyes for a moment, then took a quick step toward her. Bill saw a great tenderness almost breaking rest the litter cyntrism in those

dark eyes. Then the Prince checked hauself, spoke "We are necessing for action, Paula, Perhaps you

should so back to your stateroom until it is over "

The girl turned silently and moved out of the room, vessel was drifting helpless, with all rays out. The Red Resur passed by her, continuing on her dizetly whirling In a few minutes a Ettle group of flickering lights apfliers.

peared among the stars ahead, just beside the huge, crater-smrred, golden disk of the moon "The Trites and her coayou?" shouted the men se the

"All men to their stations, and clear the ship for action!" Captain Brand gave the order, "Two Moon Patrol sanships are ahead, cruising fifty miles apart," came the word from the telescope. "A hundead rolles belyind them is the Turkey with two more Patrol fliers twenty-five miles behind her and fifty miles

Brand spoke to the Prince, who nodded. And Brand gave the order. "Show no lights. Work the ship around with the

gyroscopes until our rear hattery of tubes will cover the right Patrol ship of the leading pair, and our how tubes The whir of the electric motors came from below, The

ffiers swore about, hanging still in the roth of the ap-"All ready, sir," came a voice from the tube A few anxious minutes went by. Then the Red Rover, dark and silent, was hanging squarely between

the two forward Patrol ships, about twenty-five miles from each of them. "Fire constantly with all tubes, fore and aft, until

The Prince spoke to hus, and he added, "Inflict no us-Dazzling white rays flashed from the tubes. Swiftly, they found the two forward autships. The sleader octagons of silver shope white under the rays. They reeled, of atomic bombardment. In a moment they glowed with dull red incandescence, swiftly became whate. A blassh

energy carried by the atoms, which would electrocute any man not insulated agreest it. From the three other ships firming white rave duried, searching for the Red Rover. But they bad hardly found the murk when Brend ordered his rays sespeed

moses of incandescent wreckage--completely out of the battle, though most of the man aboard than still sur-The Prope hymnelf spoke into the tube. "Manewer number forty-one. Drive for the Triton." Driven by alternate burst from front and rear motor

tubes, the Red Roser started a curiously irregular course toward the treasure thip. Spinning end over end, de-

striking the treasure ship with a force that recled and starpered her, leaving her places balf-fixed, twisted and

Three times a very caught the Red Roner for an instant, but her armsing mureuvers, which had evidently been long practised by her crew; carried her on a course

"Hold her still," the Prince then shouted into the tube. "And fige all rays, fore and aft."

B LINDING opalescent mays jetted viciously from the two rings of tubes. Since the Red Reper by beeach other. Her own rays, being fired in opposite directions, served to balance each other and hold her at rest, while the rays of the enemy, as well as those of the pirate that impined upon them, tended to send them into

spinning flight through space Blinding fluorescence obscured the vitrollec panels, and the street walls of the Red Rower ercoard bentath the pressure of the hail of atoms noon them. Swiftly they would heat, soften, collapse. Or the insulation would hum away and the electric charge electrocute her

The energy was in a state as had. The white beams held upon them more efficiently. It was a contest of

Suddenly the jets of opalescence snapped off the pirate. Bill, gazing out into sur-dusted space, saw the two Patrol vessels spinning in mad flight before the pressure of the rays, playing white in incardescent A few minutes later the Red Rosce was drifting

beside the Trifton holding the weeked tressure-flier with electromagnetic places. The sir-lock of the pirate vessel orened to release a dozen men in metal vacuum suma armed with ray pistols and equipped with wrecking tools and oxygen lances. The Prince was their leader wreck. In a few misutes protescue metal-suged figures appeared again, earrying beavy leaden tubes filled with

The Red Rover was speeding into space, an hour later, under full power. The Prince of Space was in the bridge room, with Bill, Captain Brand, Dr. Trainor, and Paula, Bill noticed that the girl seemed pathetically lowous at the Prince's safety, though he gave her scent

out. The two vessels he had struck were but whirling "We have the two tons of vitalium," said the Prince. "Nearly forty-aix hundred pounds, in fact. Essils enough to furnish nower for the voyage to Mare. We

"Yes. Most of the passengers of the Triton were still abve. When I gave her espesin my card, he told me that they sent a hellographic S.O.S. as soon as we

attacked. Some forty or fifty fliers of the Moon Patrol will be hot on our trail." The Red Rover flew on into space, under all her power. Progently the lookness seeked up a score of tiny

flickering points of light behind them. The Moon Patrol "Old friends of reine" said Carean Brand "Every one of there would give his life to see as cought. And

I suppose every one of them feels now that he has a slice of that fifteen million eagles reward! The Moon Patrol pever gives up and pever admits defeat." Tenso, anxious hours went by while every bettery tube was operating at its absolutely highest potential. Fusia waited on the bridge, anxiousty solidous for the Prince's health—he was still gale and weak from the adventure in the desert. Presently, evidently public how titted and worried the bolood, he sent her to her statectom to rest. She went, in tears. "No chance to fight, if they run us down," said Cap-

tain Brand. "We can handle four, but not forty."

Time drapped heavily. The Red Rever flew out into space, past the moon, on such a course as worded noe draw pursuit toward the City of Space. Her maximum acceleration was slightly greater than that of the Moon Patrol filters, because of the greater reminer and gower.

acceleration was slightly greater than that of the Moon Patrol fliers, because of the greater number and power of her moor tubes. Steadily she forged away from her pursuers.

At last the flickering lights helded could be seen on

longer.

But the Re's Rover continued in a straight line, at the top of her speed, for many hours, before she turned and alipped continuity toward the secret City of Space. She

supper continuity toward the secret City of Space. She reached it in a sifety, was let through the air-dock. Once more Bill looked out upon the amazing city upon the inner wall of a spinning cylinder. He enjoyed the remarkable experience of a walk along a street three miles in length, which brought him up in an unbroken curre.

It took a week to refit the Red Rover, in preparation for the voyage to Mars. Her motor ray tubes were rebuilt, and additional vitalizing agentation installed. The precious metal taken from the Triton was built into new latteries to supply power for the long woyage. Good stocks of Cool, water, and compressed oxygen were

taken aboard, as well as weapons and scientific equipment of all variety.
"We start for Mars in thirty minutes," Captain Brand told Bill when the warning gong had called him and

#### CHAPTER VI

## The Red Star of War

Man. The star of the war-ged hrang before her in the silver-duated durkness of the faint constitution of Capricommus, a tiny brilliant disk of otherous red The Prince of Space, outlawed by the world of his hirth, was hurtling out through space in a med sittengt to save that world from the borrors of Martan investion.

was hurtling out through space in a mad attempt to save that world from the horrors of Martian invasion. The red point that was Maris lung shirest above them, it seemed, almost in the center of the vitrolite done of the belige. "We are not heading directly for the olanes." Cantain Brand told Bill. "Its critist velocity."

must be considered. We are moving toward the point that it will occupy in twenty days. "We can make it in twenty days? Three milton miles

"We can make it in twenty days? Three milion miles a day?"
"Easily, if the vitalium holds out, and if we don't collide with a meteorise. There is no limit to speed in

space, certainly no practical limit. Acceleration is the important question."
"We may collide with a messerite you say? Is there

much danger?"
"A good deal. The meteorites travel in swarms which follow regular orbits about the sun. We have accurate charts of the swarms whose orbits trees those of the

ount And

he them, save that they were experimenting inpop small animals, green plants, and samples of the rare vitalium. He thigh tension electricity, electron tabes, and various rays seemed to be in use.

Kocking his interest, the Prince said, "You know that will be the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said, "You know that the prince said," "You know that the prince said, "You know that the prince said," "You know that the prince

tory. And most of them are so small, of course, that no

telescope would reveal them in time. Merely little peb-

bles, moving with a speed about a dozen times that of

"And what are we going to do if we live to get to

"A big question?" Brand grimed. "We could hardly mop up a whole planet with the motor rays. Trained

has a few of his rocket torpedoes, but not enough to

make much impression upon a beligerest planet. The

Prince and Trainor have a laboratory rigged up down

below. They are doing a lot of work. A new weapon.

Inharatory. He found the Prince of Space and Dr. Trainor hard at work. He learned little by watching

I understand. I don't know what will come of it."

Presently Bill found his way down the laider to the

a bullet from an old-fashioned rifle."

ables the green leaves of plants to utilize the esergy of unlight. We are trying to determine the nature of the essential force of life—we know that the question as bound up with the radioactivity of visalum. We have made a good deal of progress, and complete success

made a good deal of progress, and complete success would give us a powerful instrumentality."

Paula was working with them in the laboratory, mak-

ing a capable and caper assistant—the had been her fasher's helper since her girthout. Bith noticed that she seemed happy only when near the Prince, that the weight of unhappiness and troubbe left her brown eyes only when she was able to help him with some task, or when

her skill brought a word or glance of approval from him. The Prince himself seemed entirely sharehed in his work; he treated the girl courteomity enough, but seemed altogether impersent toward be. To him, alse seemed only to be a fellow-scientist. Yet Bill knew that the

ed that the Prince was trying to stifle a growing reciprocal countion of his own.

Bill spent long bears on the bridge with Captain Brand, staring out at the star-scattered modelyh of space. The carth shrank quickly, until it was a tiny green disk, with the moon an almost invisible white speck beeds it, Day by day, Mars aren larger. It

speece person it. Day by day, Mart grew larger, It swelled from an other point to a little red disk.

Often Bill seamed the spinning searlet globe through a telescope. He could see the white polar caps, the dark capaterist regions, the black lines of the canals. And after many days, he could see the little blue carele.

that had been visible in the giant telescope on Trainor's Tower.
"It must be semething enormous, to stand out so be plainly," he said when he showed it to Captain Brand.

plainly," he said when he showed it to Captain Brand, in "I suppose so. Even now, we could see nothing with a diameter of less than a mile or so."

"If it's a ship, it must be darned hig—hig enough for the whole race of 'em to get abound,"

Bill was standing, a few hours later, present out

Bill was standing, a few hours later, gazing out through the vitrolate panels at the red-winged splendor of the sun, when suddenly he heard a series of terrific crashes. The alip recloid and trendful beneath him; he heard the reverboration of hammered metal, and the

Wildly, he pointed to the vitrolite dome above, drilled through it, surrounded with radiating cracks, In two other sections the heavy metal wall was dented

Through the holes, the air was hissing out. It formed a white cloud outside, and elistening frost eathered quickly Bill felt the air suddenly drawn from his lance. He

particles of snow danced across it "The air is ectine!" Broad susped. "We'll sufforme!" He touched a lever and a heavy cover fell across the ladder shaft, locked itself, making the floor an airtight

"That's right," Bill tried to say, "Give others-His voice had falled. A scaring came in his ears. He felt as if a malignant giant were sucking out his breath. The room grew dark, swam about him. He reded; he was blind. A sudden chill came over his limbs-the infinite cold of space. He felt has blood sparting from his nose, freezing on his face. Faintly he heard Brand

WHEN he looked about again, air and warmth were corning back. He saw that the shaft was still Captun Brand lay inert beside him on the floor. He

In a attement the door opened. Dr. Trainer rushed in, with Prince and others behind him. They nicked un the unconscious Bound and rushed him down to the infirmary. The placky captain had been almost asphyxiated, but administration of pure oxygen reserved him

the bridge. The Red Roser had been eighteen days out from the City of Souce. The loss of air due to collecte with the meteorites had brought inconveniences, but good progress had been made. It was only two more days to Mars The forward tubes had been going many hours, to retard the ship.

"Object dead ahead?" called a looknes from his tele-"A small blue globe, coming directly toward us," he

"Another of their ships, setting out for the earth," Brand multered. "It will about cook our goose!" rushed up the ladder from the laboratory. The Norglobe was rushing swiftly toward them; and the Red

Roser was plunging forward at many thousand rules "We can't run from it," said Brand. "It is still fifty thousand miles away, but we are going for too fast to

stop in that distance. We will pass it in about five "If we can't stop, we go shead," the Prince said.

"We might try a torpolo on 'em," suggested De Trainor. He had sucurted a tabe to fire his rocket torpedoes from the bridge. It will have all the speed its

"Switch off the mys and darken the lights," the Prince ordered "With combined speeds of ten thousand miles a minute, we might pass them without being secucial For long seconds they hurtled onward in tense silence. Bill was at a telescope. Against the silver and black background of space, the little blue disk of the Martista ship was growing swiftly,

own motor rays can develop, play what the ship has at

tube, slobted it, moved the lever that are the projectile to

spinning, and fired. The little white flame of the motor

The Prince nodded assent. Trainer shoped a slender, gleaning rocket into his

they haven't sighted us already.

Trainer fired seein, and then a third time

Suddenly a bright purple spark appeared against the blue, grew swiftly brighter "An atomic bomb!" he cried. "They saw us. We are

He tensed himself, wasting for the purple flash that would mean the end But the words were hardly out for sheed of them. It flored un suddenly, and vanished as abrupily. The bine disk of the also still hune before them, but the purple spark was gone. For a moment he

was perceled. Then he understood "The atomic bomb struck a serpedo?" he shouted. "It's exploded. And if they think it was we---"

"Perlups they can't see us, with the rays out," Brand "It is unlikely," Trainer observed, "that the bomb actually struck one of our torondoes. More likely at your set to be detorated by the gravitational attraction of any

Still watching the asure globe, Bell saw a sudden flare of orange light against it. A great burst of yellow flame. The blue ball crumpled behind the fame. The orange went out, and the blue vanished with it. Only twisted scraps of white metal were left

"The second torpedo struck the Martian!" Bill cried "And you notice that the blue went out," said Dr. Trainor. "It must be merely a vibratory screen." The Red Roser burtled on through space, toward the crimson planet that hour by hour and minute by minute

expanded before her. The blue disk was now ploinly visible against the red. It was opparently a large globe of azure, similar to the ships they had mot, but at least a mile in diameter. She lay just off the red desert, near an important junction of "carnle

"Some buge machine, screened by the blue wall of vibration," Dr. Tramor supplisted During the last two days the Prince and Dr. Trainor, and their carer assistant, Paula, had worked atradity

in the laboratory, without pause for rest. Bill was with them when the Prince threw down his pencil and announced the result of his last calculation

"The problem is solved," he said, "And its enswer means both success and failure. We have mestered the ages! A terrific force is at our command-a force great enough to sweep man to the millenman, or to wipe out

a planet! But that force is useless without the apparatus to release it " "We have the laboratory-" Trainer began "But we leck one essential thing. We must have a small amount of cerium, one of the rare earth metals. in our new vacuum tube. And there is not a gram of cerium in all our supplies."

"We can go back to the Earth--- said Trainor "That will mean forty days some, before we could come back-more than forty, because we would have to stop at the City of Space to refit. And all the penis of the meteorites again. I am sure that in less than forty days the Martians will be nutting the machine in that

enormous blue globe to its dreadful use." "Then we must hard on Mars and find the metal?" globe. Somewhere in the asountains, as far back as nossible from the canals. Land there just after midnight,

We will have mining and prospecting equipment ready to so to work when day comes. Almost any sort of ore eaght to yield the small quantity of cerium we need."

A FEW hours later the Red Rever was sweeping around Mars, on a long curve, many thousands of "We'll pick out the spot so land while the sun is shinzing on n," Captain Brand told Bill. "Then we can keep over it, as it sweeps around into the shadow, timing our-

"Isn't there danger tilat we may be seen?" "Of course. We can only minimize it by keeping a few thousand miles above the surface as long as it is day, and loading at night, and in a deserted section."

As they drew nearer, the telescope revealed the surface of the hostile planet more distinctly. Bill negred

"The carals seem to be strips of greenish vegetation, rrigated from some sort of irrigation system that brings "Lowell, the old American astronomer, knew that two

hundred years ago," said Captain Brand, "though some of his contemporaries claimed that they could not see the "I can make out low green trees, and metal structures.

I think there are lone repea, no well as onen channels, to spread the water. And I see a great dome of white are several of them in sucht, mostly located where the canals intersect." "They might be great community buildings-cities,"

so often hide the surface of the planet, it would probably be necessary to cover a city up in some way. "And I see something moving. A little blue dot, it seems. Probably a little flier on the same order as those we have seen; but only a few feet in dismette. It seemed

to be seeling from one of the white domes to another." "Yes, I see them. Two in one place. They seem to he flooting along, high and fast. And just to the right

is a whole line of them, flying our behind the other, Crossing a patch of red desert." "What's that?" Bill cried in some excitement. "Looks like animals of some kind in a pen. They look like

"What! Let me see!"

Brand rushed over from his telescope. Bill relinquished has the instrument. "See. Just above the center of the field. Right in the edge of that cultivated strip, by what looks like a big aluminum water-olne." "Yes. Yes, I see semething. A big stockade. And it has things in it. But not men, I think. They are gray and hairy. But they seem to walk on two leve." "Something like apes, maybe,"

"I've got u," cried Brand. "They're demestic animals! The rolling Martians are parasites. They must have something to suck blood out of. They live on these

"Probably so," Bill admitted. "Do you suppose they will keep people period up that way, if they conquer the world?"

"Likely," He shuddered. "No good in thinking of We must be selecting the place to land."

He returned to his instrument. "I've got it." he said presently. "A low mountain, in a big sweep of red dearrt. About sixty degrees porth

of the equator. Not a canal or a white dome in a hun-Long hours went by, while the Rod Roper hung shove

shadow of might. Bill peered attently through his telescope, watching the narrow strips of vegetation across the bare stretches of orange desert. He studied the bright metal and gray masoury of irrigation works, the widely scattered, white metal domes that seemed to cover exten, the hurting blue globes that flashed in swift flight between them. Two or three times he caught sight

of a tiny, creeping green thing that he thought was one half a dozen broad metal pens, or pastures, in which the Shising machines were moving across the green strips

The Prince, Dr. Trainer, and Pania were asless in their staterooms. Bill retired for a short rest, came

back to find the planet beneath them in darkness. Red Rover was dropping swiftly, with Captain Beand still at the bridge. Rapidly, the stars vanished in an expanding circle below them. Phobos and Deimos, the small moons of Mars, hurting across the sky with different velocities

shed soant light upon the harren desert below. Captun Beand eased the ship down, using the rays as little as possible, to cut down the danger of detection. The Red Rover dropped plently to the center of a low. cliff-rimused plateou that rose from the red, sandy desert In the faint light of stars and burtling moons, the ocherous wrate lay fat in all directions—there are no high

mountains on Mars. The air was clear, and so thin that the stars shows with hot brilliance, almost Bill thought, as if the ship were still out in score. Silent hours went by, as they waited for dawn. The thin white disk of the nearer moon slid down beneath the black castern berizon, and rose again to make another

Just before dawn the Prince appeared, an ower smile

"I've all the mining machinery ready," Captain Beard

told him, "We can get out as soon as it's warm enough -it's a hundred and fifty below zero out there now." "It ought to warm up right soon after sourise-thin as this air is You seem to have picked about the lone-

Pauls. The girl had insisted upon having some duty hest spot on the planet, all right, There's a lot of danger, though, that we may be discovered before we get the

"But we're not the first," the Prince said. "I am sure that Envers landed on Mars-I think the Martian shios "Ravera may have walted here in the desert for the sun to rise, just as we are doing," murmured Brand "In fact, if he wanted to look around without being seen, be may have landed right near here. This is probably

are based on a study of his muchinery." the best place on the planet to land without being detec-

#### A Mine on Mars

THE sun came up small and white and hot, shining from a black sky upon an endless level orange I maste of rocks and sand, broken with a black swamp in the distant north. Even from the eminence of the time-worn plateau, the straight horizon stemed the planet's surface.

Men were gathering about the air-lock, under the direction of the Prince, assembling mining equipment. "Shall we be able to go out without vacuum suits?"

"I think so, when it gets warm enough. The air is light-the amount of oxygen at the surface is about equal to that in the air nine miles above sea level on earth. But the pull of gravity here is only about one-

if we don't take too much exertion." The rays of the oddly small sun beat fiercely through the thin air. Soon the Prince went into the air-lock. closed the inner door behind him and started the numes. When the dial showed the pressures acqualized he opened the outer door, and stepped out upon the red rocks. All were watching him intently, through the vitrolite panels. Paula classed her hands in nervous anxiety.

though testing it, and take a few deep becaths. Then he drew his legs beneath him and made an astounding leap, that carried him twenty feet high. He fell in a long arc, struck on his shoulder in a title of loose red sand. He got up, gasping for air as if the effort had exhausted hm, and staggered back to the airlock. Quickly he

"Fools funny," he said when he opened the inner door, so. The jump was great fun, but rather exhausting. I imagine it would be dangerous for a fellow with a weak heart. All right to come out now. Air is still cool, but the rocks are petting but under the sun." He held open the door. "The guards will come first."

to carry two rocket torpedoes-such a burden was not too much upon this planet, with its lesser gravity. They would watch from the cliffs at the edge of the little plateau upon which the sumbio had landed. Bill and four other men entered the air-lock-and

assigned to her, and this had seemed earlier than the "Furmy feeling to be the first men on a new world." until Bill gasped for breath and beard a drumming in his cars. Then the outer door was opened and they

looked out mon Mars. Motion was easy, wet the dightest effort was tiring. Bill found himself nanting merely from the exertion of lifting the two heavy torpedoes to his shoulders. With Paula behind him, he stepped through the outer door. The six felt chill and thin. Loose red sand crumbled yieldingly under their feet,

They separated at the door. Bill starting toward the south end of the pleaseau, Passa toward the north point, and the men going to stations along the sides,

"Just he at the top of the cliffs and watch," the Prince had ordered. "When you have anything to report, flash with your ray pistols, in code. Signal every thirty minutes, anyhow. We will have a man watching from the

bridge. Report to him anything moving. We will fire off a red signal rocket when you are to come back." He had tried to keep Paula from going out, but the girl had insisted. At last he had arreed. "Better to have you keeping watch then hendling a

pick and shovel, or pushing a harrow," he had told her. But I hate to see you go so far off. Something might happen. If they find us, though, they will probably get us all. Don't get hurt." Bill had seen the Prince looking anxiously at the

slender, brown-eyed girl as they entered the air-lock. He had seen him move forward quickly, as though to ask her to come back-move forward, and then turn aside with a flish that became a bitterly cynical smile As Bill walked across the too of the barren red plateau, he looked back at the girl moving slowly in the

opposite direction. He had glanced at her eyes as they left the ship. They were sludowed, heavy-lidded. In their brown depths lurked despair and trame determination. Bill, watching her now, thought that all life had gone out of her. She seemed a dull automaton, driven only by the energy of a determined will. All hope and life and vivacety had gone from her monner. Yet she

wallerd as if abe had a stern task to do. "I wonder-" Bill muttered, "Can she mean-suicide!" He turned uncertainly, as if to go after her. Then,

deciding that his thought was more fancy, he trudged on across the red plateau to has station, Behind him, he saw other parties emerging from the air-lock. The Prince and Dr. Trainer were setting up apparatus of some kind, probably, Bill thought, to take magnetic and meteorological observations. Men with prospecting harmons were scattering over all the

"Almost any sort of ferruginous rock is sure to contain the tiny amount of ctrium we need." Dr. Trainer had said.

BILL reached the end of the plateau. The age-worm a hundred feet, to a long slope of talus. Below the

rubble of sand and boulders the first desert stretched away, almost visibly curving to vanish beneath the near it was a desolate and depressing scene, this view of a thing, no moving object, no green of life—the conals, with their verdure, were far out of sight.

"Hard to realise there's a ruce of vampires across their, living in great metal dense," Bill mentered, as he threw himself flat on the rocks at the lip of the precision, and leaved once of the leaves torontone latton him. "But and leaved once of the leaves torontone latton him."

threw himself flat on the rocks at the lip of the precision, and leveled one of the heavy turproless before him. "But I don't blance but for for wanting to go to a more cheerful world."

Looking belind him, he soon saw men busy with electric drills not a hundred yards from the stender silver

cylinder that was the Red Rover. The earth quivered bereath him as a shot was set off, and he saw a great founbin of crushed rock thrown into the air. Men with barrows, an hour later, were wheeling the crushed rock to gleaning electrical reducing apparatus that De. Trainor and the Prince were setting on beside

that Dr. Treiner and the Prince were setting up beside the sunship. Evidently there had been so definishly in finding ore that carried a suisfancery amount of certain. Bill centimized to scan the orange-red detert below him through the powerful telescope along the reciser tude. He lette it is wards before him, and at half-them

intervals sent the three short flashes with his ray pistel, which means "All is well."

They began that have more by before he may the blue

gobe. It came into view low over the red rim of the desert below him, erept closer on a wavering path. "Martin ship in view," he rignalled. "A bite globe, about ten feet in diameter. Follows curious winding ourse, as if followers countribus."

"Keep rocket trained upon it," came the cautionsly flashed reply, "Fire If it observes us,"
"Globe following arisatis," he flashed back. "Two graytah bipeds leaping before it. Running with marvel-

ous agulty."

He was peering through the telescope sight of the rooket tide. Keeping the cross bairs upon the little bloe globe, he could still see the creatures that flad before is. They were almost his men—or exect, hairy ages. Broeds, they were, with human-like arms, and creek heald.

Covered with short gray have or fur, they carried no wagons.
They fled from the globe at a curious kepsigs run, which carried them over the flat red desert with regarder which carried them over the flat of desert with regarder from which Bell watched, the blue globe close behind from which Bell watched, the blue globe close behind from which Bell watched, the blue globe close to be from the second to be a second to be second to be a second to be a second to be a second to be a seco

too, haaging still twenty feet above the red sand, wated for them or tist and run despectably on again. Bill flett a quick flood of sympashy for the gray creatures. One list al stopped to help the other. That meant that they felt affection. And the globe had waited for them for run again. It seemed to be being them mulciously. Almost he fired the recket. But his orders had been not to fire unless the shift over discovering

been not to fire unless the ship were discovered.

Now they were not a mile sway. Suddenly Bill percaived a tiny, light-gray object grasped done to the bersat
of one of the gray hopeds. Evudently it was a young one,
in the arms of its mether. The other creature scened
a male. It was the mether that had failten.

They earne on seward the cisf.
They were very clearly in view, and not five hundred yards below, when the fermale fell again. The male stopped to aid her, and the globe poised itself above them, waited. The mother seemed unable to rise. The other creature lifted har, and ahe fell himsely back

A tiny purple spark lengt from it, A than of vider re-excepted tim. He was flug resized and speared ing to the ground. Burned and torn and therding, the drew binned to all fours, and except on toward the bine. Soldenly the sphere dropped to the ground. A good point part of the process of the ground and point point part are ground as said—the was turned from 18th, see that he could not see within. Geren things errap out. They were creatures like the cent had seen in the

As if in rage, the gray male sprang toward the blue

peaks swang open in its rate—it was turned from Bill, so that he could not see whith. Geren things crept out. They were creatures like the one he had seen in the Mexican dissert—a cluster of slender, flexible green tensacies, with surtion dists, an insignificant green body, and force malevident purple eyes, at the ends of footlong tables.

There were three of the things.

The creeping male flung himself mady upon one of them. It color insid short him; cortish disks fastened themselves against his side. For a time he writted and struggled, fighting in agony against the squeening green cols. Then he was still. One of the things grauped the little gray chiect in the

mother's arms. She fought to should it, to cover it with her own body. It was torn away from her, hidden in the hideoutly writhing green colls.

The third of the monaters thing itself upon the mother, wrapping make-like tratecles about her, dragging her struggling lost down shaddering and writher in arms.

strugging tody down shuddering and writing in agony while the blood of life was spaced from it. Bill wetched, others and trembling with horror, "The things chased them—for furl"whe multered ferreds, "Tust a sample of what it will be on the parth—

If we court step rem."

Prescully the green monaters left their victims—which
were now mare shriveled basics. They dragged themselves back into the blue globe, which rose swiftly into
the air. The numb careal bad shows

From his station on the cliff, Bill watched the thing through the telescope sight of the rocket, keeping the cross balls upon it. It came up to his own level—shove it. Sudderly it passed. He was sure that the things in it had seen the Ked Koyev.

Quickly, he pressed a little nickeled lever. A soft whit cause from the rocket table. He pressed the red button. The torpedo leapt forward, whit his white rays driving back. The empty shell was flung back in Bill's head.

A great burst of vivid orange flame enveloped the cobil globe. It disintegrated into a rain of white metal fragments.

"Take that, damn you!" he mattered in face; satis-

nt faction.

"Cloble brought down successfully," he flashed, "Evidently it had sighted us. Green Marthus from it had allfied gray hipsda. May I nuspect remnus!

"You may," perabsion was flashed back from the

Too may, permanent was manor tack from the Prince. "But be absent not over half an hour,"

In a moment another message came "All lookouts be doubly abert. Globe may be surched for. Miners making good progress. We can leave by sunset. Courage! ——The Prince."

STRAPPING the remaining recket corpede to his behalders, and threating his ray pistol ready in his belt, Bill walked back sleng the brine of the profitor until he saw a compensatively easy way to the red plan below, and parambled over the rim. Ecosion of untild course of the slighter gravity of Mars, it was a simple feat to support his weight with the garp of his ingrees on a ledge. In five minutes he had chambered down to the bank of tabus. Hurriedly he setantibled down over greet fallon builders, punting and gasping fee breath in the

He rearhed the red sand of the plain—it was ween by winds of ages into an impalpeble searlet dust, that rose is a thin murky cloud about him, and settled in a blood-colored stam upon his perspiring limbs. The day dust yielded beneath his feet as he made his way toward the salent gray bothers, making his progress most

difficult

Almost exhausted, be reached the gray erestures, examined them. They were far different from human beings, despite obvious similarities. Each of their Hundri' had but three clawed edgits; a curious, disk-like appendage rook the place of the mass. In schedule the proposition of the control o

murky red dust be lishted was irritating to his mouritie, the choiced and anexed. Swart run is mustly red persons from his body, and he was suddenly very thirsty. All the top of the red grantin phatesam—it was credenly the stone heart of an ancient mountain—was hidden from him. He could see multing of the Red Reser or any of her crew. He could see no living thing. The flat to him of red dust it was both thin, which is the could see the red with the could see the red with the red was the could see no living thing.

a near horizon. Licose dust sucked at his feet, rose about him in a suffocuting suffron cloud. The sun, a little crimson globs in a bino-black sky, shane blatteringly. The sky was soberly durk, cold and hostile. In alarmed haste, he struggled toward the grim line of high, red.

Then he saw a round white object in the red sand. Pausing to pape for breath and to rul the swent and red much from his forebead, he hicked at it curiously. A sun-blacked haman shall rolled cort of the soulet dost. He knew at once that it was hustan, not a skall of a creature like the gray things belief him on the same With the unpleasant feeling that he was opening the

With the unpleasant feeling that he was opening the forbidden book of some forgotein trapedy, be fell to his knees in the dast, and second about with his fingers. His right had closed upon a man's tiph born. His left cought as a rotten leather belt, that pulled a human vertebra out of the dast. The belt had a tarnished silver

buckle, and be leoked at it with a gasp.

It have an elaborate sidful "E."

"E." but mustered. "Envera [ He got to Marz. And died here. Trying to get to the mountain, I guess.

there is the control of the control

in a moment be paused.
"He might have left semething?" be mattered.
He turned, and pledded back to where he had left shrill and the rotted belt, and dug again with his fingers. He found the rot of the skelleto, even bits of barr, clothing and human skin, preserved in the dry dust.
He found in charpe carteen, a maty pockething, bar-

Then his plowing fingers brought up a little black book from the dust. It was Envers' chary. Most of it was still legible. It is available in printed

form today, and gives a detailed account of the tragevanture. The hopeful starting from earth. The dangers and discouragements of the voyage. A mutiny; half the grew killed. The thrill of harding on a new planet. The statek of the blue globes. How they took the ship,

crew said. In turn of arrang on a new yarnet. The attack of the blue globes. How they seek the ship, carried their priseners to the pens, where they tried to use them to breed a new varnety of domestic animals. Envers' essage, his despersus extempt to find the ship where they had landed in the desert.

where they had landed in the desert.
Bill did not read it all then. He took time to read only
that late traigle entry.
"Water all gone. See now I will sever reach mountain
where I landed. Probably they fave moved smarking
archites. Marks have been better to have atyped in the

pein. Food and water there, . . . But how could Code create such thing? So biskons, so malagemal! I pray they will not use my ship to go to earth. I hoped so find and destroy it. But ni it too bad Bill! face. He tried Those red dinst swifted up in Bill! face. He tried to breath, choiced and sneezed and surrangled. Locking the same great churst of red dust billing the dirthy book, he saw great churst of red dust billing the dirthy but shy in the case. It seemed almost that a culsual

red-yellowed cylinder was being rolled swiftly upon him from eastward:

A dust-storm was upon him! One of the terrific dusstorms of Mars, so fierce that they are visible to astroncours across forty million miles of space. Clunching the faded such book, he ran across the sand

again, toward the red fifth. The wind howed belief again, toward the red fifth. The wind howed belief again, toward the red fifth the sould. The first of this force in the red fifth the force in wasted in a surfy or late. The wind Mee swiftly, yet it was tim, covering fittle force of The duty air became an acrid fluid, choking, unfreathable.

Blidtly, he statement on Inward the rode. He

reached them, fought his way up the bank of talms serambling over gapantic blecks of levs. The base of the chilf was before him, a massive, perpendicular wall, rising our of sight in red here. He skinted it, saw a clambable charmery, serambled up.

At last he drew himself over the top, and lay flat.

Searlet dust-clouds swirled about him: he could not see
twenty yards. He made no attempt to find the Red
Roser, he knew he could not locate it in the dust.

# twenty yards. He made no attempt to find the Red Rover; he have he could not locate it in the dun.

HOURS passed as he lay there, binded, sufficialing, feeling the hat misery of seried dunt and perspaterium essed in a drying mod upon has dem. This winds

screamed about the rocks, her as a furnace-bisst. He leveled his teepede, tried to wards. But he could see only a musty wall of rod, with the sam biting through it like a tity, round blood-ruly. The rod sam had been more the senith. Slowly it crept down, toward an anseen hormon. It shang pare

crept down, toward an unseen horizon. It alone give him an idea of direction, and of the passage of time. It Then it, too, wanished in the dust. Suddenly the wind was pill. The dust settled slowly.

In half an hour the red sun came into view again, just show the red western horizon. Objects about the mile-long plateau began to take shape. The Red Rover will lies where she half how in the cruster. Men were still busily at work at the mining muchinery-they had "All lookouts signal reports," the Prince floshed from "Found Envers' body and brought his disry," Bill

flashed when it came his turn "Now preparing to depart," came from the Prince, "Getting apparatus aboard. Have the required ceriem.

Bill watched the dusty sky, over whose formerly dark,

blue face the storm had drawn a yellowish have. In a a third. They were far toward the southeast, drifting high and fast through the saffron haze. It seemed that they were searching out the route over which the globe

"Three globe-thine in sight," he signalled, "Acoroaching us." Some of the other lookouts had evidently seen them for he saw the flicker of other ray pistols across the

Without preamble, the red signal rocket was fired. Bill heard the report of it-sharp and thin in the rare atmosphere. He saw the livid scarlet flare.

He got to his feet, shouldered the keavy rocket tube, men rusning; saw men struggling to get the mining machinery back on the ship.

Looking back, he saw the three blue globes awimming They were far off, tiny circles of blue in the saffron sky, They seemed to be rapidly flying toward the Red Rover,

He looked expectantly northward toward the end of the plateau to which Paula last gone. He saw nothing of her. She was not returning in answer to the skernt rocket He was utterly exhausted when he reached the sup-

ship, passing, gasping for the thin air. The others were matically from exertion and excitement. Men were struggling to get pieces of heavy stachinery abound the flier-vitalium power generators that had been used to heat the formees, and even a motor ray tube that had been berrowed from the ship's power point for emer-

The Presce and Dr. Trainer were laboring furiously over an odd piece of apparetus. On the red sand beside encurred a curious obstenios desios. These were lesses. he a strange vacuum tube-which had an electrode of cerium, surrounded with a queer vitalium grid. A tiny filament was glowing in it; and the induction cell which powered the tube, fed by vitallasts batteries, was buzzing

"Better get aboard, and off?" Bill cried. "No use to lose our lives, our chance to save the world-just for a

The Prince looked up in a moment, leaving the queer little device to Dr. Trainor, "Look at the Martian ships!" he cried, awrening out an arm. "Must be thirty in siote, awarming up like flies. We couldn't get away, And against those purple atomic bombs, the torpedoes wouldn't have a chance. Besides, we have some of the

ship's machinery out here. Some generators, and a ray Bill looked up, saw the awarming blue globes, circling above them in the saffron sky, some of them not a mile above. He shrugged hopelessly, then looked anxiously "Panla! What's become of her?" he demanded "Paula? Is she gone?" The Prince turned from the tripod, looked around suddenly, "Pauls! What could

"A broken heart has happened to her," Bill told him

"You think-you think-" stammered the Prince There was sudden alarm in his dark eyes, and a great tender longing. His bitterly equical smile was grove. "Bot, she can't be gone?" be cried, almost in arony,

"You know she was on lookout duty at the north end of the plateau. She hasn't come back," "I've got to find hee!" "What is it to you? I thought you didn't care!" Bill

"I thought I didn't, except as a friend. But I was wrong. If she's gone, Bill-it will kill me?"

The Prince span about with abrupt decision. "Get everything aboard, and fit the ship to take off. as soon as possible," he ordered, "Dr. Trainor is us command. Give him any help he needs. Brand, test everything when the tube is replaced; keep the ship

ready to fly." He turned swiftly to Trainer, who still worked deftly over the glittering little muchine on the tripod. "Doc, you can operate that by yourself, as well as if I were here. Do your best--for markend! I'm reing to find your daughter." Trainer nedded in silent assent, his fingers busy.

The Prince, sticking a ray pistol in his belt, set off After a moment's bestacion, Bill staggered along bebind him, still carrying the rocket torpedo strapped to

It was only balf a mile to the end of the plateau. In a few minutes the Prince was there. Bill staggered up just as he was reading a few acrawled words on a acrao of paper that he had found fastened to a boulder where

"To the Prince of Space" it man, "I can't go on. You must know that I love you-desperagly. It was maddening to be with you, to know that you don't care. I know the story of your life, know that you can never care for me. The red dust is blowing now, and I am going down in the desert to die. Please don't look for but I wanted you to know-why I am going. Because I love you. Paula."

#### CHAPTER VIII The Vitematon

LOVE Paula!" cried the Prince, "It happened all at once-when you said she was gone. Like a burst of light. Yet it must have been growing for weeks. It was getting so I couldn't work in the lab. unless she was there. God! It must have been hard for her. I was fighting it: I tried to hale what I was beginning to feel, tried to treat her as if she were a man. Now -size's gope !

Bill booked back to the Red Rover, half a mile behind them. She lay still, burershed silver extinder on the red sand. He could see Trainor beside her, still working over the curious little device on the tripod. All the others had gone aboard. And a score of blue globea slow eliding motion, like bazzards circling over their The Prince had buried his face in his hands, stand-Bill turned, looked over the red flat soud of the Martion desert. Far below, leading toward the near horizon,

by the recess dust-storm. Far away they vanished below

"Her tracks," he said, pointing. "Tracks!" the Prince looked up, eager, hopeful determination flashing in his dark eyes. "Then we can fel-

low! It may not be too heel He ran toward the edge of the cliff

Bill clutched his sleeve. "Wait! Think what wee're doing, man! We're fighting to save the world. You can't ren off that way! Anyhow, the sun is low. It is ertting cool aircady. In two minutes after the sun ones down it will be cold as the devil! You'll die in the des-

The Prince tugged away. "Hang the world! If you knew the way I feel above Paulo-Lord, what a fool Pye been! To drive her to this!"

Agony was written on his dark face; he his his thin lip until blood occurd out and mingled indistinguishably with the red grime on his face. "Anyhow, the sirometon is finished. Trainer can use it as well as L. I've got

to find Panta-or die trying," He started toward the brink of the precioics again, After the hesitation of a moment, Bill started after him.

"Well," said Bill, "the Red Rover is not a very attractive haven of refuge, with all those Martian ships flying around it. And I have come to think a good deal of Miss Pania. I'd like to help you find her."

"Don't come," said the Prince, "Probably it is death-" "I'm not exactly an infant. I've been in tight places

before. I've even an idea of what it would be like to die at night in this desert-I found the bones of a man in

the dust today. But I want to go," The Prince grosped Bill's hand. For a moment a tender smile of friendship came over the drawn mask of mingled despair and determination upon his loss face, ran down the face of the red grazite cliff, and scrambled along to the flat plain of acrid dust below. In desperate haste they plodded gasping along, following the scant

traces of Papla's foceprints that the storm had left. A hazy red cloud of dust rose about them, stigging their nostrile. They strongled and gasped for breath in the For a mile they followed the trail. Then Paula had

The wind had erased what traces she mucht have left here. They skerted the edge of the ledge, but no prints were visible in the sand. The small red eye of the sun Their perspiring bodies shivered under the first chill of the frozen Martian night.

"It's no use," Bill muttered, sitting down on a block face. "She's probably been gone for hours. No chance."

a little, and see if I can't pick up the trail." Bill sat on the rock, He looked back at the low dark the somber, indigo sky. The crimson, metancholy The tiliver sunship was out of sight bishind the chills. But he could see the little blue globes, Her spinning moons of sapphire, circling watchfully above it. They were lower now, some of them not a thousand feet above the hidden sunship, Abruptly, one of them was enveloped in a vivid flare

of orange light. Its blue gleam fischering out, and in fell in irrements of twisted white metal. Bill know that it had been struck with a rocket torough.

"I've got to find her!" the Prince cried, his lean, redstained face tense with determination. "I'll circle about

The reply was quick and terrible. Slender, dazeling the ship, each of them driving before it a tiny bright

spark of purple fire, consenting, iridescent. They were the atomic bombs, Bill knew. A dozen of them must have been fired, from as many ships. In a few seconds he heard the reports of their exclosionsin the thin, still air, they were mere sharp cracks, like pistol reports. They exploded below the line of his vision. No more torpedoes were fired from the union surship. Bill could see nothing of it; but he was sure that

He heard the Prince's about, thin and high in the sure atmosphere. It came from a hundred wards bewood

"I've found the triel." Bill got up, tradged across to follow him. The Prince waited, impariently, but gasping for breath. Just held

of the red disk of the sun was visible in the indigo sky "I guess that ends the chance for the world!" Bill

"I suppose so. Some fool must have shot that torpedo off, contrary to orders. The vitomaton might have saved

They plodded on through the dust, straining their eyes to follow the half-obliterated trail in the fading light. It grew colder very swiftly, for Mars has no such thick blanket atmosphere to hold the hear of day as has the

Twilight was short. Spiendid wings of somber crimson flame hung for a moment in the west. A brief golden glow shone where it had been. Then the sky was dark, and the million stars were standing out in cold, meanwhas majorty-contillantly bright, unfeeling watchers of the drame in the desert. Bill felt tingling cold envelope his limbs. The sweat and mud upon him seemed freezing. He saw the white gifteer of frust appear suddenly upon his garments, even upon the red dust. The thin air he breathed seemed to freeze his lungs. He trumbled. His skin become a stiff.

Prince staggered on ahead of him, a vague dark shadow in the night, crying out at intervals in a queer, strained BILL stopped, looked back, shivering and meserable.

"No use to go on," he mattered, "No use," He

stood still, vainly flapping his numb arms against his sides. A vivid picture came to him-a naked, starting, sun-blueched skull, lying in the red dust. "Bonns in the dust," he instituted. "Banus in the dust. Enwers' bones. And Pruish, The Princeto. Mine." He saw something that made him stare, oblivious of the cold.

the cold.

The red cliff had become a low dark line, below the coarestadded sky. The score of little cobait mooss were still dirlifting around and around, in cedition circles, watching, wanting. They were bright among the store.

A little green cloud came up into view, showe the dark

rim of the cliff. A little spinning wisp of greenish vapor. A tity sphere of swirling nationer. It shows with the clear literal green of speing, of all verdere, of life inself. It spins, and it shows with live green light.

With inconscivable speed, it darted agreened. It struck

one of the blue globes. A sparking mise of dancing emerald atoms flowed over the asure sphere, dissolved it, melted it away. Bill rubbed his syss. Where the supplier ship had

not retoco me cyse. Where the stopphre shap hist been wax now only a swifting mass of green mise, a cloud of twinking emersial particles, shining with a supernal windocont radiance that sometow suggested life. Abrupely as the first hisy wisp of green luminescence had appeared, this whiring cloud exploded. It hunst into source of they globes of spatishing, whereat atomas.

And green extent has some and green. Now it was treproducing itself like a living thing that feeds and green and sends off spores.

And each of the little blobs of viridity flew to an aure solver. It seemed to BIB as if the blue shine

drew them-or as if the gram globales of swiring mist were alive, seeking food.

In an instant, each swirling spiral of emerald mist had strock a Mre globe. Vibrant green haze seemed over

strock a bine globe. Vibrane green base spread over every sphere. And the spheres melted, failed, vanished in clouds of swiring wireleasent vapor. It all happened very suddenly. It was harelly a ground,

had appeared, before the last of the Martian flees had become a mass of incandescent mist. Then, suddenly as they had come, the green spirals vanished. They were blotted out.

The stars shone cold and brilliant, in many-colored appendor, above the dark line of the diffs. The Martian shire were more

"The stronators?" Bill mattered. "The Prince said something about the observators. A new weapon, many the force of late. And the green was like a laving thing, consuming the spheres!"

Sandbesly he felt the letter cold again. He moved, and his garments were still with frost. The cold had

numbed has limbs—most of the pain had gone. He failt a carticus lightness, an odd some of rehel, of freedom—and a delicious, aluming desire for sleep. But leaden pain of cold still larked underneath, dull, theoliking.
"Move!" Move!" he mustered through oxid-stiffened

"Move!, Move!" he mattered through cold-stiffened lipe. "Move! Keep warm!" He tumbled across the dust in the direction the Prince had taken. The cold pagged at him. Elis breath from in wirls of ice. With all his will be fought the deadly desire for sleep.

He had not gone for when he came upon a dark shape in the night. It was the Prince, carrying Paula in his arms.

"I found her lying on the sand," he gusped to Bill.
"She was awake. She was gird—forgase me—happy

s and, burdened with the girl in his arms.

"Why go not" Bill forced the words through his
fiscating fate. "Never make it. They shot atomic bombs
at Red Rever. Then something happened to them. Green
light:

"The solitonaters" gasped the Prince. "Vector of
a spinning, disintegrated stems. Controlled by wireless

The Prince was exhausted, struggling through the

spanning, distinguished sheets. Controlled by wireless power. Alve? Consumes all matter! Distinguishes is into atomic nothinguess?"

He staggered on toward the dark line of cliffs, clasping the inter form of the girl to his body.

ing the inert form of the girl to his body.
"But Pauls! I love her. I must carry her to the
ship. It is my fault. We must get to the ship."

BILL struggled slong beside him. "Too far!" he memored. "Miles, in the night. In the cold, We'll never—"

He stopped, with a thin, rasping cry. Before him, above the narrow black line of the cliffs, a stender her of luminescent silver had-shot up into view. It was the slin, tspering cylinder of the Red Rover, with her twelve rear motor rays driving white and decriling against the mountain she was leaving. The

"My God?" Bill serement, "Ireving upware into species"
"My God?" Bill serement, "Ireving us." He stopserement that the stopserement that waved his arrea,
athented. It was valet, almost hadden Paula in his
The Prince had stopped, with helding Paula in his

to I wice. "Stop then! Fire terpedo-og boulder. They

wice. "Stop them! Fire tempolo- to boulder. They
will see!"
Bill heard the gauping voice. He unfactated the
heavy tube that he still carried on his shoulder, leveled
it before him. With numb, tremshing fingers, he tried
to move the levers. His fingers second frame; they

would not move. Team burst from his eyes, freezing on his obecks. He stood holding the bravy tube in his arms, solving the a bary.

Above them, the stender white cylinder of the Red Reave was diriefing our into star-grammed speece, describing opsiscents rays shooting lack at the dark mountain.

They go," Bill bebbled. "They think we are dead.

Have not time to wait. Go to fight for world."

He collapsed in a trenship heap upon the loose, frosty

The Prince had suddenly laid Pauls on the ground, was beside him.

was ocused from.
"Left the reclost," he gasped. "Aim, I will fire."
Bill raised the farsty tube mechanically, sighted
through the selescope. His trembling was so violent that

he could hardly hold it upon the rock. The Prince trial which hardly hold it upon the rock. The Prince trial when his faignes to move the lever, in with. Them be been present bits chin against it. It slepped, cut a red gash in his sikh. Again he tried, and the white of the moter rosponded. He gas this chin upon the little red button, prused it. The empty shell drove book, fell from BM's numbed leaned and clattered on the sand.

The torpedo struck with a burst of crange light.

The Prince picked up Pault again, clasped face drilled body to him. Bill watched the Red Rover. Suddenly he woked a glad, insolunce cry. The while rays that drove her upward were snapped out. The slim allow this away global, came down on a long with cible.

searchlark sweening the red sand. The white hearn found the three. Ouickly the ship dropped beside them. Grotesque figures in vacuum suits least from the air-In a few seconds they were abroad, in warmth and light. Hot, most air bissed into the lock about them.

and they could breathe easily again. The sizzling of the Bill was conscious, until he found himself waking up in a constortable bed, feeling warm and very hungry, Captain Brand was standing with his blue eyes peering

"Just looked in to see you as I was going on duty,

Bill," he said, "Doctor Tramor says you're all right now. The Prince and Paula are too. You were all rather chilled, but nothing was seriously frages. Lucky won shee off the rocket. We had given up hope for youdich't dare stay "Futtoy change has come over the Prince. He's been

up a good while, sitting by Paula's bed. How's that for the misogynist-the hermst outlaw of space? Well, come on up to the bridge when you've had some breakfast. The hattle with Mars is point to be fought out in the next few hours. Ought to be something interesting to see." Havne delivered his broadside of information so face that the sleepy Bill could hardly about it, the bloff old stace-captain withdraw his head, and west on,

An hour later Bill entered the bridge-room. Gazine through the vitrolite nurels, he saw the family for aspect of interplanetary space-hard, brilliant points of many-colored light acintillating in a silver-dusted

void of utter blackness. The flaming, red-winged sun was small and for distant. Earth was a hoge green star, glowing with indescribably beautiful liquid emerald brilliance; the moon a silver speck beside it. The grim red disk of Mars filled a creat space in the

beavers. Bill looked for a little blue dee that had been visible upon the red planet for so long-the tiny asure circle that he had first seen from the telescope in Trainor's Tower. He found the mot where it should be, on the upper limb of the planet. But it was gone.

"The thing has left Mars," Captain Brand told him. "What is it?" "It is armored with one of their blue vibratory screens

What hellish contrivances of war it has in it, and what demoniac millions of Martims, no one knows. It is entermous, more than a mile in diameter." "Can we do snything?"

"I hardly see how we can do anything. But we can try. Trainer and the Prince are coming with their vire-

"Say, didn't they shoot their atomic bornhs at the ship last night?" Bill asked. "It was out of sight, but I "One of the lookouts who was late getting back brought down one of their globes with a rocket. fired a lot of the numble bombs to source us. But I think they meant to take us alive. In the interest of their

science, I surpose. And Dr. Trainor got the pitomaton ready before they had done anything. Bill was peering out into the star-strewn elon gulf, Captain Brand pointed. He saw a tiny blue globe, swim-

There's the infernal thing? Carrying its cargo of

In a few moments Dr. Trainor, the Prince, and Paula came one by one up the ladder to the bridge. Trainer carried the traped; the Prince brought a lattle black case which contained the strange vacuum tube with the cerium electrode, and its various accessories; Paula had a little calculating machine and a book of mathematical tables Trainer and the Prince set up the tripod in the center

of the room, and mounted the little black case upon it camera. Working with cool, brisk efficiency. Pauls began operating the calculating machine, taking numbers who was setting nomerous small dials on the apporatus. Dr. Trainor peered through a compact little telescone which was evidently an auxiliary part of the appearatus, training the machine on the tiny blue disk that was the messenger of doors from Mars. From time to time be called out numbers which seemed to go into Paula's

Looking carriously at Pauls and the Prince, Bill could see no sign of an understanding between them. Both seemed absorbed in the problem before them. were impersonal as any two collaborating acientatis. At last Dr. Trainor mised his even from the little telescope, and the Prince punsed, with his fingers on a ful vitalism generator, was buzzing monotonously, while efficiently busy over the little calculating machine, preasmy its keys while the motors whirred inside it.

WE'RE all ready," Trainer amounced, "as seen as Paula finashes the integration." He turned to Bill and Captain Brand, who were eying the apparatus with intense interest. "If you will look assale this electron tube, when the Prince closes the switch, you will see a tiny green spark come into being. Just at the form "That green spark is a living thing!"

"It has in it the vital essence. It can consume matterfeed itself. It can grow. It can divide, reproduce itself, It responds to stimuli-it obeys the signals we send from nificant little drum.

"And it ceases to be, when we cat off the power. "It is a living thing, that eats. And it is more destructive than anything else that eats, for it destroys

the atoms that it takes into itself. It resolves them into pure vibratory energy, into free protons and electrons." Paula called out another number, in her soft, husky voice. The Prince swiftly set a last dial, pressed a tiny lever. Bill, pooring through the thin walls of a little elec-

tron tube, saw a filament light, saw the thin cerium disk grow incandescent, apparently under cathode bembardment. Then he saw a tiny green spark come into being m a fine helix of gleaming vitalium ware. For a hotle time it hung there, swinging back and forth a little,

growing slowly Deliberately, one by one, the Prince depressed keys on a black panel behind the tube. The little green spark wavered. Suddenly it shot forward, our through the wall

of the tabe. It swam uncertainly through the air in the flicked down another key, and it darled out through a vitrolite panel, towards the blue slabe from Mars.

It had out a little round hole in the transparent crystal,

Air hissed through the little hole, forming a frozen, misty cloud outside, Captain Brand promptly produced Alr-pressure held is tight, scaling the prifice

The Prince pressed another key, the little swirling stood intent, feners on the banks of keys, eyes on red pointers that spun dissilv on tiny dials. Another key clicked down suddenly. He moved a dial, and looked exsectantly out through the vitrolite panel.

Bill saw the green film run suddenly over the tiny blue globe floating among the stars. The azure sphere been, was only a soluting spiral of glistening virides-"Look at Mars?" cried the Prince. "This is a challenge. If they want peace, they shall have it, If they

want war, they shall feel the power of the aftenuator ?" red planet. It was not relatively very far away. He could see the glistening white spot that was the north polar eap, the vast ocherous descris, the dark equatorial markings, the green-black lines of the causia. For all the granness of its somber, crimson color, it was very bell-An amozine change came awaftly over Mars

A bloish tange flowed over orange-red deserts. A thin blue mist seemed to have come suddenly into the atmos-A wall of blue hid the red world. Mars became a colossal globe. Her surface was as real, as smooth and un-Mars had become a subere of polished samplife.

"A wall of vibration, I suppose," said the Prince "What a science to condemn to destruction?" Hure elobes of purple fire-violer spheres large as the ship they had just destroyed-driven on mighty rays, leapt out from a score of points on the smooth exten armor that covered a world. With incredible speed, they converged toward the Red Roper, "Atomic bombs with a venguagee!" cried the Prince.

imo the sun," He turned briskly to Paula, "Ouick now! Integrations for the planet!" She sprang to the calculating machine; alim fingers flew over the keys. Trainer swung his apparatus toward the smooth agure ball that Mars had become peered through his telescope, called out a series of minbers to Paula. Quickly she finished, gave her results

He bent over the banks of keys again, Bill watched the enormous blue globe of Mars in fascinated horror, followed the base, luminowent red-

bombs," Dr. Trainor commented, his mild even bright with scientific enthusiasm. "I doubt that stude itself is strong enough to hold up under their explosion. If they

"An amazing amount of power in those atomic us out of the universe altogether, out of space and time!" hung where the Martian flor had been. He saw it move suddenly, dart across the star-dusted darkness of space. It plunged straight for the blue ball of Mars, struck it, A viridescere fog ran quickly over the enternous assere

purple atomic bombs, that were hurtling out toward

globe. Mars melted away.

The planet dissolved in a lower readly principle cloud of brillians green must that shone with an odd lightwith a light of life! A world fixed into a netulous soind of green. Mars became a spinning cloud of dust as if of

A tiny lever flicked over, under the Prince's fincers And the green light went out. Where Mars had been was nothing! The stars

shone through, hot and clear. A machine no larger than a camera had destroyed a world. Bill was dazed, star-Solemnly, almost sadly, the Prince moved a slender,

slowly. "It is a termble thing to destroy a world. A world that had been come in the resking, and that might have changed the history of the cosmos. . . . But they voted for war. We had no choice." He shook his head suddenly, and smiled, "It's all

over. The great mission of my life-completed. Doctor I want you to nack the vitorenton very carefully, and lock it up in our best safe, and try to forget the combination. A great invention. But I hope we never need to

use it arrie," Then the Prince of Space did a thing that was amazing to most of his associates as the destruction of Mars had been. He walked quickly to Paula Trainor, and put his where the police eyes were bugbing pow, with a great tender light of gladness shining in them. He bent, and kissed her warm red Eps, with a hungry eagerness that

A happy smile was dancing in his eyes when he looked up at the astorniod Captain Brand and the others. "Allow me," he said, "to present the Princess of

Space!" Some months later, when Bill was landed on Trainor's Tower, on a visit from his new home in the City of Souce, he found that the destruction of Mary had created an enormous sensation. Astronomers were manfully inventing fantuatic hypotheses to explain why the red planet had first turned blue, then green, and finally vanished atterly. The surships of the Moon Patrol were loss of the Triton's treasure, the reward for his continee had been increased to twenty-five million carles.

# Tanks Under the Sea

#### By Harl Vincent

Author of "Barton's Island," "Callisto at War," etc.

DERHAPS it is because radium is such a rare metal that so many of its beneficial aspects are developed. But it has already been discovered in several instances how harmful this marvelous healing product can be. Imagine that instead of the people of the legendary city of Atlantis, with their progressive benevolence, an entirely different part of beings had landed on a rich had at radium ore with its possibilities for evil rather than for good. Harl Vincent can generally be counted on for the unusual, He amply justifies the faith of his readers with this yarn,

FTER having diverged more than seven hundred down in Auckland harbor by sundown At best it was a long tough flight from Valparako to the New Zealand city. This one had been hyutaltreacherous flying weather most of the way-and both under the strain. Their radio had gone dead and the

"Hey, Pete !" Ben Walton shouted from the rest com-I make it just fifty gallons. We'll never get there."

"You're crasy," yelled the pilot, eyes straight ahead "It's loss then three hundred miles "Yeah-maybe-if that burn compass isn't fooling you." "Ob. shat up ! I know what I'm doing. What's the

Ordinarily this would have resulted in a prolonzed argument, for Pete and Ben were that sort of friends. But the stocky young mechanic had come forward and

"Pete?" he exclaimed, pointing a stubby forefinger, "Take a squint out there. What in the devil do you The pilot turned his head with a shrug of his broad shoulders. He wasn't particularly interested in anything they might see in this God-forsaken part of the Pacific. But he gasped when he saw the object Ben had

"Looks like a big silver tank sticking up out of the water," he said. "A young oil tank, uninted with alu-

minum, so help me!" He hanked sharnly and swony the chin over for a closer view. They circled the object and dropped to two hundred feet. It was some sort of a cylindrical vessel, standing vertically to a height of perhaps thirty feel it rose from the bottom

"Now what do you know about that?" Ben murveled. "Who do you suppose built such a thing way out here?" As if in answer to his question, a circular lid opened

in the flat too of the evlinder and a mun's head was poked through. The roar of their motor attracted his attention and he looked skyward, as amazed as they, the stranger, a stabbing pencil of purplish light and the bug radial motor in the nose of their ship quit cold. The Chollesper dropped to the surface in an easy olide. "Hell's bells!" Pets growled, "Now what're we up

"Trouble," Ben grunted, "Sure as shooting, Taly a look at the face on that beby!" "Does look like a tough one, Ben-no fooling. Heregrab a gun for yourself." Pete had taken two onto-Others had joined the man on the tank now; equal,

closer, carried in soward the metal exhipter by freskish currents that seemed to eddy in to its polished sides from misshapen humans could now be seen plainly. Humans No, they were hairless apes rather; and only in breach



AMAZING STORIES

cloths and with posts white skip like corners-altorather "Christopher I" Ben willed, "Look at 'em, Pere, Hundreds of the pig bonts-or tractors, or whatever they It was true. The great arched cavern was literally

Pete opened the trapelour in the cabin roof and both climbed through to the open air. "What's the big idea?" he called out over the narrowing strip of water,

you bring us down for?" He who seemed to be the leader of the ape-our volled something in unintelligible getterals and then turned to converse with his comparisons. Repliess of the mysterious ray weapon which had been used to britte them

"They're too many for us," Ben whispered. "Whar'll

"Wait and see what they do. We'll shoot it out with them if we have to, but what's the use of getting our-"Who's soine to talk that labber of theirs?"

"Maybe there is somebody down below in that thing we can talk to. Besides, I'm getting curious about it. Like to see the inside of the thing."

"Not me. I'd like to be home-right now." More of the ape-men had come up through the hatch and there were at least a dozen of them now on the flat top of the cylinder. The plane was almost slongside them. They were completely enveloped in the vile smelling stuff; blinded and coughing. Classery hands pawed at them in the darkness. Fingers of steel gripped them; sterone arms, cold and unviriding as metal bands, ninioned them hand and foot, though they fought desperzicly to save themselves. Neither dared fire has pistol for fear of blitting the other. They were belokes in the

hands of a mysterious enemy. PETE CALDWELL mused gloomily in the sectwilled cell into which he had been thrown. He was something of an engineer and had served in the undersea forces of the United States in the war of 1938, so the throbbing of the surros and the rush of water into the ballast tanks told him this was some sort of a submarine into which they had been hauled. A morester, too! Furny, after the war be had sworn he never again would enter one of the damned things-went in for aviation lastead and finally wound up as a pilot in the Chile-New Zesland med service. Swell mess they were in now-Ben and hat Who these inne-arread dwarfs were and what they were up to be couldn't even suess. Frislerd han of his gun, too, the ages !

and they indicated that he was to follow there. There was nothing to do but to comply. They followed a long passageway and were joined

by others who had Ben in tow. But the ugly, menacing creatures kept the two men apart, as if in fear of a concerned effort against them. Numbers of the ray weapons were in evidence.

Then a door opened and they were prodded leto the at each end. The devils intended to drown them like rate in a trap! But no-their captors remained with them. One of them was proteing with the clarene of the outer cover. Could these weird crestures live under

They stepped out on solid ground and into a warm and fetid atmosphere. The sub had slipped through a buge

crowded with the sub-surface ships. Pers rubbed his eyes in disbeller of what they told him. These subs were tanks! Submaring tanks of shining metal that resembled silver. Stainless steel or chromium plated, probably, to better resist corrosion. Each eiger-shaped body was moured on lines externillar tracks that would anable them to travel on land as well as on the ocean bortom. And there were rudders and fins, the same as any submaring-turn acress again. The estinder through which they had entered the one that had brought them was a huge coming tower. On all of them there

were torpedo tubes fore and aft; hig gun turrets on the "Lord!" Pete groped. "Something goes on herethis isn't Denmark by a long way." They were being hustled slong an elevated recovery

of iron grating now, their captors prodding them with the ray weapons. The cage of a lift awaited them at the end of the runway. OR an interminable time, it seemed, they dropped into the bowels of the earth. Then they were in a

brightly lighted room where it was uninously quiet and where a source level, stern viscoud man sat before a broad, glass topped desk. He looked up when they entered and his short cropped, grizzled gray her brought an exclamation of recognition from Pete. "André Shevan!" he exclaimed. Chevan-discredited commander-in-chief of the Red forces in the last war. exiled by the Pence Commission. It was impossible!

"Yes, the great Chevan, in person. Surprised?" The supposed axile grinned evily. He dismused his mal-"Naturally," Pete searled, "What devilopers are you up to now? And why did your gang of imps kidnap

"Explaining the devilment can wait, young man. As to the kidraping, if was quite necessary, I assure you. You saw one of our war vessels and, of a certainty, I could not let you report it to the world. We're not yet ready to show our hand. Besides, I can well use two such accomplished and healthy Americans."

"You mean you'll hold us here-against our will?" "Of a certainty. Not only that: I shall use you when of you are war veterats and your experience will be of value to me. Ab, war! It is the spice of life, is it not?"

"War?" Ben echood Pete's exclamation, "Exactly. And such a war as you shall see and participate in l'

"Not on your life!" Pete suspeed. "No? You have no alternative, my friend. And you should not object-it is a great bonce I am extending And the observe it gives to me that you are Americans

You shall fight your own people" "You're creaty as a cooe?" Pete was contemptioned "Am I? Listen boys; I've been working with the

Akata-imps you have called them, and apes-for more then ten years while the world at large has thought me banished and safely out of the way on a barren and airlock into a wast artificially lighted autenarius cavern!

deserted island. But-ha! ha!-a substitute languishes in my stead on that so remote island while L. André millions. No, don't lough. They are decended from an intelligent people who migrated to this vast realm under the Paritie more than thirty conturies in the past. A the secret of the transmutation of metals, of the submarine, of the death ray and of atomic disintegrationwhen the rest of the world was in abvantal ignorance of science. For centuries they've planned a war agreest the conside world and were well on the way to complete percuration, before I came to organize them and load them. Now the time is at hand and I, André Chevan

one to have my vengeance upon the world that cast see His heavy features became asturnine with the fanaticism that lighted them. Pete and Ben stared at hass

agape. The man was meane. 'Now we know you're a nut," Pete grated. "Our forts and battle plants'll blow these tanks of yours to kingdom-come, before you've well started," "Yes? Let me tell you something. Every sub-tank of the more than six hundred is armed with paralyzing

rave that will cause your big guns to miss fire and your planes to fall from the air. Have you forgotten how the at the soced of fifty miles an hour, blasting your cities

ests with fame projectors. After America, the world! The Akata will rayage and plunder and kill. They'll take possession. And I shall be king!" "Ho! A modern Napoleon!" Pete specred. Chevon glared an instant, then chuckled, "Well put,

young man. Your grasp of the idea is perfect. And now. I have a proposition to make to you and your friend. The Akata are of marvelous intelligence and shell. They are fearless and lovel. But we have seen them-I hardly fancy them as intimates. Rather would I have two such as yourselves for my trusted lieutenents.

share with me in the slory and honor and wealth that are to be more—the power—think of it! It is a chance m a milion!" "Suppose we refuse?" Ben inquired softly,

Pete poked his robs surreptitionally to silence him Cheern was drawing a finger armst his own throat meaningly, a malicious leer making an awful mask of

his coursenance. "One of my Aksta guards is expert with the knife," he said, "and eager to use it at my "Give us a week to think it over," Pete said suddenly,

bestowing an imperceptible wink on his wrath-filled Cheven regarded first one and then the other of his captives with keen suspicion, but could discern usught

save awed solemety in their faces. "I'll do it." he arreed. "Seven days of twenty-four bours. I believe by that time you'll willingly come in The folly of doing otherwise will be only too apparent

in you-after you have seen." Meanwhile?" asked Pete. "You are free to come and go; to chack up on my statements. You'll be quartered and fed-and watched closely."

CHEVAN was so good as his wors. The worse and were come were assigned to impurious rooms and were served with meels at the commander's own table. They were taken in charge by one of the Akata, a purty-faced creature with feline eves, who answered to the name of Onell and was inordinately proud of his ability to converse with them in choppy sentences of broken English. In a surly way he was solicitous of their every want, accompanying them wherever they wished to go and explaning in detail the many wonders of Aka which arressed their coriosity. They were everywhere and saw everything, but always they were trailed by a number of the sullen Aksis guards—encounty creatures whose starter eyes followed their every move and whose

HEVAN was as good as his word. The two Amer-

eminous mutterings provided a monotonous accompanie Onell, it seemed, was a leader of his kind and of vastly superior class and influence. His word was law to the guards and amongst the rabble on the moving ways, in the presumatic tubes, or in workshop or foundry. His badge of authority graned them admission wherever they wished to go. The science of the Alesta

was at his finger-tips, and he proudly exhibited his knowledge of its most complex secrets. And Ongli was destined to be a great chief when the new ceder of things was established in the surface world. Chevan had told him so himself. And was not Chevan

a god-mightiest of all earthings, beneath the surface Ben was inclined to be argumentative and openly defact. What sense was there is shamming this way? They'd never join up with this crary scheme, an why

not kick over the traces at once and have it over with? "Shat up, you domb-bell!" Pete himed, when they were on their way to one of the chemical laboratories of which Ongli had told them. "Trust me now to dope something out. And you keep your true shut! We'll have no conversations at all until the time's up. This

guy Chevan's clover. He'll get wise in a minute unless "What's that you say?" Oneli asked suspiciously. And the guards moved in closer at the sound of his voice.

"He doesn't want to yo," said Pete, feirnity impetience with his partner, "Wants to go in one of your "That can wait two, three sleens," Oneli averred, his

suspicion allayed. "This more important. It base, You see."

The guards fell back and Pete glared at his friend warningly. They'd have to be mighty careful. They had stepped forth on a ledge that skirted the wall of an enormous caveru, a great arched bellow benexth the bed of the Pacific, a cavern such as the eve

of man had never beheld. Brilliantly illuminated by the cold blue fight the Alests produced so abundantly, it stretched off into the distance where the haze of its humid atmosphere rendered all things invisible. A city lay beneath their feet, a city of tall buildings and broad streets that hummed with activity.

Ongli waved his arm with an all-inclusive gesture "Oniri." he exclaimed, "First city of Aka. First of main cavern. First of seven hundred cities. Oueen city

of Aka." "What?" Pete gasped. "You mean to tell me there are seven hundred cities like this down here? How

big is Alo, anyway?"

impressively. "Nine caverus there are. Seven hundred cities. Main eavern a thousand-what you call it-miles Yes. It true. And other coverns below. Others to north. One south. Also a big place." "I'll say it is!" Pete Caldwell was aghast at the revelation. Somehow he had thought that Chevan was exargerating when he spoke of the numbers of the

Aleats. This was a continers in itself, a continent under

Ben was exoughly silent. Ougli led them to a niche in the rock wall. Here smooth metal groove, the lower half of a cylinder which ended at circular covers set into the walls at either ex-

"Station of air pressure tube." Oneli explained. "We There came a rapidly rising hiss, a screech almost, and one of the circular doors pooped open to discorge a them. In a moment they were within and the door had clarged shut. There was a roar and the pressure of walled take that led into the unknown distances of that strange submarine realm. Pete looked around the interior curiously. There were no passengers excepting their own party. Ben was staring at the wall stubbornly refusing to exhibit his amazement. Ougli and the Akata murds had sprawled carelessly on the east-

toocd seats and were recarding their charges with expressionless fishy eyes. In less than five minutes the car slowed down and came to a lurching stop. The door clicked open and they stepped out into a duplicate of the station at which

they had embarked. Ongil led the way through a narrow passage to the laboratory.

Above them there rose a buge crystal dome which was all that separated them from the tremendous weight of water above. The light of the sun shope through with an cerie blue-green radiance which illuminated the Cavern with a sort of semulchral twillight. In the half light they could make out dies monstrous shapes, howecylinders and spheres that throbbed with energy from within. Here and there a light clowed over a control board and, in the circle of each, they could make out the stunted figures of Akata workmen engaged in the giant machines. At the far end of the long main sisle there arose a shower of briffant sparks as a stream of molten metal burst forth from a ladle and found its way

sters high overhead-rumbled ponderously over their tracks and were lost in the closes. Here it was, and in hundreds of similar laboratories, that the essentials of life were produced by the Akata, The ingenuity and resourcefulness of the repulsive inhabitants, as revealed by Orgli, were marvelous to contemplate-and fearsome. Self-contained and self-supporting was the realm of Aka and it seemed that the intelligent geomes that peopled it needed nothing more than the brine of the ocean to make any and all of their necessities. From this they extracted the component elements, the senarated bydragen being used as the base of practically every commodity. They merely broke up

into a waiting mold. Huge cranes-dim, ghostly mon-

tion either in complete darkness or in the sormal artificial fighting of the caverns but was not affected by Oneli halted them before a rulled-in enclosure where a number of workmen were eneaged in attaching a lifting rig to the huge eyes of a circular cover plate which rested on the rim of a sunken cauldron of enormous size. Above them denoted the chain block of one of the

the weak filtered sunlight from above.

dome was accounted for by the fact that a certain catalyst

used in the processes was subject to rapid deteriora-

"Radium pit," their guide explained," must not come nearer as it very dangerous to life." Pete noticed that the workmen were protected by

leaden aprops and gauntlets and that they were belimets of the same material. The guards drew well back when the hooks were attached and the signal given for the crane operator to hoist the cover. Ben feigned an air

of nonchalant boredom, The great cast lead lid guing free and a blast of the victous beiling contents of the cauldron. Swirking fingers of the exceptible substance stretched forth and soultmed menacingly, then drooped writhing into the

mass of seething material. "Gaze not too long," Ongli warned. "There is blindness in so doing. All of the power we use is thus been.

But Pete had glanced upward as a startled cry rang out in the cerie purple twilight above. One of the chains supporting the great metal lid had snapped and the heavy

There was another map and it swang down with a swish. Pete grasped Ongli and threw him to the floor with larring violence just as the swinging mass of metal crashed through the iron railing and carried two of the workmen into the mouth of the radium oit. He lay posting beside the prope figure of Ourli, meine with satisfaction that Ben had jumped sideways and had

Frightful saimal ones from the doesnot workmen rose percingly above the din of the laboratory and they disappeared beneath the bubbling surface of the greenish horribly distorted Akata face to the surface. Where the staring eyes had been there were awful smouldering sockets; the flot features were a metallic mask, priming sardonically through the green phosphoresomor. Then it was gone and dancing waves of the glowing liquid hoped triumphantly at the edges of the pet.

Pundemonium broke locae in the great laboratory. the workmen deserting their posts and crowding to the scene of the accident. Assiren shrieked with rancous insistence. A din of bubbling voices drowned out the sounds of the machines

"Ai! Ai!" walled Ough as Pete lifted him to his feet and dragged him from the howling mob, "The radiom death! But Ongli lives by quick act of American, Ongli never forget. Onell recey.

He fawned on his resoner, trembling with emotion. Then he drew himself erect and glared at the guards, who had suthered closs.

Ben grinned delightedly. This was a break. The

Chrysto see to accident and was engaged "Coldwell," said Chevan, "your quick action in sav-

ing Ougli from the radium death convinces me anew that come. But I am compelled to warn you that his gratitude can avail you nothing in any attempt to evade the agreement with me. You can not escape from Aks. Four hundred and sixty feet of water roll over

the arriock in the cavern of the sub-tanks. Onch is a Pete understood perfectly. Four hundred and sixty fort of water! That means a pressure of some two

airlock and on the crystal domes of the laboratories. What tremendous strength must be built into these things and irro the sub-tanks themselves! "We understand, Chevan," he said shortly, "But, in accordance with your promise, we still have six days

"True, It is merely a warning I'm giving you. You shall have your six days if you wish, but I'm confident you'll decide before the time is up-and decide right."

Pete and Ben were mute, "You do not answer." Cheven reparded them thoughtfully. He had had much experience with the stubbornness of Americans, "Very well, I'll not press you. But each twenty-four bours will bring new revelations to

you. Each will further convince you of the wisdom of a decision to form us. I don't know why I'm giving you this chance, but somehow it seems I need human compartionship and assistence.

He hestiated and looked apologetically at Ongli. The great Chevan was not altogether happy in his adopted

"Perhaps," Pete ventured, "you are on the wrong track, Chevas. Maybe you'll give up this mad venture. We'd giadly help you in that, "What?" the commander thundered, "go back to a world that turned its back to me? Back to exile?

never! It's a rotten world anyway, and merits annihilation. I shall establish a new order of things; a new things. With the aid of Aksta science I shall beend a race of supermen and superwomen, monided in the and with superhuman modlarence. And I, Chevan, shall rule them-wisely and well. You think my venture is a mad one. You think the conquest impossible. Herelook at this

"Another sten in your education" he announced manipulation the dials of the instrument rapidly. "This teleview surpasses anything in use on the surface. No transmitter is necessary to actuate it; a searching ray is sont out to the notes to be viewed and the Bote leatuilers are brought back to us for observation in natural color. The same ray conveys to us the sounds emsurating vance for your Secret Service-if they had st."

where bundreds of vertical exhibers lined the walls from which cylinders a maze of piping led through mouth of a great circular pit in the center of the room, A pelseting blue-grean glow permeated the atmosphere in protective armor. The burn of activity came to their "Radrom!" breathed Chevan, "ah, how little you know

of its uses and properties-won of the surface world. Your scientists tell you that it is an element whose atomic weight is 226 and whose atomic number is 88 They know of its continuous disintegration; of the emission of alpha and beta particles; of the gamma radiaare in partially successful use in therapy, the gas radon perticularly. But in all their research and experiments they have never learned the true secret of redimetraty. They have never been able to speed up the normal rate of disintegration of the radium atom as have the Akata The year energy available from this source is thus less to the peoples of the surface world. Even did they

mineral is extremely rare un there as you know. Here there is an unlimited supply." Pere was fintening with interest as he watched the walked around the room, looking at everything excep-

"Radium exists in many forms?" Pete saked "Oh yes-down through the upanium-radium-lead dis-

integration series there are many stages. Radium itself is produced by the disinterration of its percent journal and dissposars on disintegrating into its product raden In turn then, down through the series, we have radium A. B. C. and there other forms down to polonism-then compounds, sulphates, hydroxides, chlorides, beomides and the like. It was a bound compound you saw in the behorstory. But the important thing is that the Akata

undustand the stuff perfectly; their very existence depends on it, as does the success of the war assinst the upper world. The wat energy of the alpha particles is used to run their prime movers; tiny, vibrationless redum motors provide all their power. Bets radiations are used to set up disintegration of other elements and, to activate the various destructive rays to be used in warfare. Here-snother instructive view," The scene changed with a new adjustment of the dials

A hollow rose came from the sound projector of the apparatus. They were deep in a rock-walled passage now, with a group of Akata workmen who were opera-He strode to a wall eshinet and awatched on the cortor. The roaring sound sucreased in volume as the a ledge of solid limestone fully thirty feet so depth and extending for a hundred yards along the wall of the passage. Like a knife through cheese, the disintegrating energy of the beam out through the mass of rock, shong it neatly from the wall until by its own tremendous thundered to the floor with a crash that rettled the sound

mechanism and caused the view to flatter violently on from the point of origin of the view. A great contri-Wow!" Ben excisimed, "some ray, that!" He had The view of the screen was that of an enormous room been startled from his pose by the wonder of the sight.

"Yes," Chevan gloated, "each sub-tank is arreed with structive in different ways. How long do you think your persived forts and battle planes will stand up under such energies? Your skyserspers? But watch?" The have mass of stone was blocking the passage, thousands of tons of it. The workmen directed the say covered considerable portion of the enormous block took melted away as if it had been paraffin, excepting there was no residue. It simply vanished from sight and in less time than is taken in the telling, all was clear. "You see?" Chevan said traumhantly, "the nower that is in our hands is beyond comprehension. And this

switched off the power and the acress of the teleview went blank, Pete gazed at their captor with growing realisation of the expressiv of the message to his world, "Chevan," he mustered, "I'm beginning to believe some of the things of which you have boasted. But I still think you're barking up the wrong tree. Suppose you do succeed in this terrible thing; suppose you overrun the Americas and bring them under your beels. Suppose even, that you consuce the entire world. What about these seven million Akata who will be let loose on the rime. They, not you, will be in control; they'll populate the surface with their own breed and continue to kill after they've used you to lead them to victory." Chevan smiled craftily and lowered his voice, "All thought of, my boy," he cackled. "The entire broad will

die off within a week after the victory is complete. I'll take care of that." "What? You think you have a way of killing them off?

"I know I have. Listen-and this may help you in Akata benefit from the conquest. They do not fit into my new scheme of things at all; they're too leatherms physically, though possessed of marvelous intellect and extentific attainment. Not for André Cheven. And here is the rossus of eliminating them: Radium again is the secret, the radium they must have for their continued existence and which I shall cut off from them. The which to us would be fatal but which to them is vital. They've fived in such close contact with the stuff that the tiny doses are necessary as a prophylactic. They'd have Ced off centuries are had they not sound their systems to its ravages in this manner. And here's the for internal use, a special compound that is extremely anatable and can be deteriorated instantly by aubicotion to radio waves of a definite frequency high above any in use for practical purposes. But L Chevan, have secretly developed a powerful transmitter of this about wave and, when the time comes, I will release its energy broadcast. Their preservative will vanish like marks and they will die before they can renew the aunoise their ugly bodies disintegrating like that limescone block

He gazed into their horror-stricken faces with male

ONGLI awaised them when they left their quarters early in the next waking period. The sullen guards howered expectantly in the passage outside their door. "Now we visit sub-tank," Ongh announced brightly.

"Good," said Pets, without enthusiasm. His thoughtwere gloomy now; at was a strain, this fear of speaking one's thoughts aloud. He and Ben had refrained from period-the searching ray of his telephone view and sound succession would find them out. The walls sure did have ears in this place-eyes too.

Ben was in a vile humor and bagged behind as Pete followed Ougli to the tube station. Ourli, too, was loss talkstive than he had been, though his every action bespoke consideration of the man who

had soved his life, and respectful gratitude. When they were in the speedy our of the pneumation tube Pete turned suddenly to the guide, "Onsil," he saind. "About this war against the upper world. Car nothing stop it? Even if something should happen to Chevan?" The commander would have a job listening

in on this conversation; he'd be kept mighty busy following a car speeding at five hundred miles an hour. Ourli eved him in surprise. "Nothing ston war !" he averred. "Nothing happen to Chevan. But, even if did hannen, war so on. Alcata make religion of hatred against your world. Religion of hatred, upper world; religion of love, radium. No, good friend, war is necessary. Must not fail. That why you must icin with Oneti. Save Onell from sadrum death; now Onell save you, good friend. But only can save if you agree to join Akets. Cennet return you to upper world. Even if could, that not help. Good friend die then-when Akatz

come." The eyes of the ane-man had at first elittered with the languism of a better enemy-that religious hatred of the world. Now they were wide with anxiety lest his new friend stall his own death warrant by refusing Chevan's offer

Pete smiled with an attempt to ressaure him, then kneed into elocary silence once more. There was no help to be gotten from this source. Chevan or no Chevan, the plans would be carried out. He wondered why they ever had taken the exile in with them-and how they had accomplished this.

followed Onell down the long runway to one of the monster amphibians that waited at the inner door of the hoge sirlock. The guards left them at the entrance

"Chevna say you learn much," said Ougli as he holted the cover of the entrance lock from the inside. "Onali show you-we, very much. This war reaching to be Ongli's own command when time comes," He proudly led the way to the control room of the

The few Akata they encountered in the passages housed loss in recognition of Copie's authority but not without bestowing glares of Instred on the two Americans who accompanied him. It was evident they would be

"How much Akata will one of these shine carry?" Pete inquired.

"Three thousand," Ongli's eyes lighted with pleasure when he sat at the controls of the large vessel. "Three thousand fighting men of Alea. But so simple the control one man can handle from here. You shall see. Ongil mancuver ship with own hands." Before them were the intricate controls of the subtank, a maze of glittering instruments and handwheels that covered the forward wall of the control room. A circular window of heavy plass looked out over the

carving hall plates toward the pointed bow and through this they could see that the owner cover of the signt sirlock which opened to the Pacific was being mened. Ongle caressed a gleaming lever. At his touch there where in the vitals of the huse amphibian. At his touch

of another lever they moved forward on the eaterpillar tracks. They were in the airlock now and Ongli talked as they waited for the inner door to cleen, "Sub-tanks to go out thus when time comes," he said. "Nearly two million Alasta go with them. Provisions, ammunition, everything for campaign go, too. Turnels from Aka to America nearly roady now. Through

after sub-tanks clear way. Bore through with disintegrating energy when time comes. Then all in synlight where belong; where surface men mistrest them con-turies ago. This war of revenge, good friend."

"Yes. Akata ancestors great scientists three thousand years ago. Savages of upper world think science witchcraft. Persecute our forchears without mercy. Pinelly few survivors escape to Aka, which then aland in great sea, Find rich mineral decesits. Radium ore in vast amount beneath surface of island. Alons become miners

and live mostly in underground passages. Then come great earthquake and tidal wave. Also sink for beneath waves and Akata entombed. But not discouraged. Develop science very much and prosper greatly. Multiply for many generations and perpare war against surface people. Now ready for war; ready to retake world

"What?" Ben snarled, "You've nurtured a produc for thirty centuries? Against descendants of savages of the dark ages? Why, our modern civilization is absolutely insecent of any of those old wrongs. How do you set

Ough drew himself up proudly and fire flashed from his boady eyes. "Akata never forget," he amounced "and you speak not truth. Your people same as ever, Not impocut. Bad, spitcful, warring races still on surface. Many, many wars up there since Aka sink. We watch in teleview. We see horrible destruction of last war. We find Chevan. He great general; great organizer. He know much about strength and weakness of all nations up there. He hase thent, too, because they misuse him as Alosta succestors mistigged. We send subtank for him and resent. He lead us to victory. We make upper world clean and good once more."

"Why, you nut!" Ben resorted. "Chevan is a double crosser if there ever was one. He plans to-But Pete had clapped his hand over his partner's mouth. "You fool!" he hissed, "shut up! The hig boy's probably listening to every word. Want to get

bumped off right now?" "I don't give a damn? We're done for anyway. Can't you see how hopeless it is? They're all set-they can do lust what they say they will. We'll either be croaked here or back home, so what difference does it make?" Ougli watched and listened in amazement. He did not understand why the two should be quarreling. The

"Ugh!" he granted. "Forget talk. We go out now." the waters far shead of them and the two young Americans lost themselves in contemplation of the wonders of the occan's deaths. The sub-took erawled ramidle over the smooth bottom and Pete watched carefully the movements of Oradi's deft fingers as he maneuvered the vessel. A forest of calcareous algae loomed before

ways of the white men of the surface were incompre-

hensible. Then raddenly he turned to his instrument

board. The arricck was filled with water outside them

them and they crushed through it as some prehistoric mesteden might crush through a forest of sanlings. A eyes that waved at the ends of lone tentacles slithered

over the forward deck and was gone. "We up to surface," Onell stated

and the outer door was opening.

The throbbing of pumps sangled with the parr of the main motors. With these exhaustless radium engines there was no need of using compressed air to blow the ballast tanks as in the hig bosts with which Pres was

familiar. The sub rose leasurely from the bottom "We not open coming tower." Onell observed "Thevan say not. But can see from here. Also show you speed of ship." The twin screws were churning the water now and the

sub shot forward at ten fathoms depth. Fifty, sixty, seventy males an hour, if the speed indicator was correct. Petr graped his satenishment. "Can do ninety on surface," Onell chorded, noting

his surprise. "These ships foot on land or yea. Watch, They broke the surface and sendded along behind a rearing bow wave. It was good to see the sun shimmer once more, and the blue of the sky

at one of the starboard ports, "Look, Pete! A British Ougli whoped his head around sharply. It was true,

There, not two thousand vards astern, was the long gray shape, black smoke pouring from her funnels and her casses flattering in the brogge. A neff of smoleusued from one of her forward run turrets as they rific explosion. A column of water rose burb where the shell struck the water off their bow. The cruiser was inquisitive as to the identity of this strange craft. Pete worked Ongli narrowly, wondering whether he

would submerge. Surely be could not submit to a closer Onafi's eyes flashed fire as a second shot came across their bow and suddenly he was sparling into the microphone that hung before him. Rapid replies come to their ears in the authorals of Alea. Then come that stabling pencil of purple light from the stern turret, splashing full against the hull of the croiser.

The sub-had award around now and Onsti was groupping orders into the microphone. They could see the gun crew on the cruser, frantieally working with the uscless mechanism of a rand-fire run. The record war vessel was rolling helplessly, her turbine-electric drive

paralyzed by the vicious ray of the Akata, "You don't intend--?" Petr besituted "I do intend!" Ougli babbled fiercely, "Surface ship

attack sub. They go now. First of great war!" He shouted a quick command and the sub vibrated to the energy of a powerful ray generator. There was a deafening roar as the shaft of blinding light sped from the 19th on its mission of destruction. The cruiser was shrouded in a brilliant mist for a moment. Then it was

gone, vanished utterly from the surface of the ocean, a sections candidon of tortured waters marking the spowhere it had rested. A murvelous war machine of the greatest many on earth, a threatend brave men values with life an instant before-gone, gone in the twinkling Pete Caldwell was assuled with mauses as Ongli gazed

explantly on the scene of destruction. ATER, when they reported to Chevan, the caprises

The commander regarded them with triumphant glee as Ongli recited the tale of his encounter with and do

"Saw something this time, didn't you?" he chuckled "borin to believe we'll succeed, don't you?" "Yes, curse you!" Ben erowied. "And it's murder fired across our bows. Why-----?"

"Racueht" Chevan mared, "It is but the berinning All war is murder. And I'll have no criticism from such as you, Another word and I'll retract my agreement." Pete was realizing his friend into elegos. They still had five days to go and he was trying to think. There must be some way in which they could ortwit this mad

Akata. "It seems," he said, in a placeting tone, "that you have final success of the war that is planned. Ben isn't-

Ben glazed at him in disgust and opened his mouth

in his friend's face when he was about to hatch one of "Yes, I'm sure of it." Chevan settled back in his sent with a satisfied smile. "It is just a matter of education and a little nationce with you two well you see the light. I'm willing to wait until your period of grace

"Ongh gave us some of the history of Aku today," said Pete, as if nothing else mattered, "and told us much regarding the plans for conquering the upper world. It's quite a revelation." "Hm-yes." He turned to Ourli suddenly. "You can leave us now," he sud, "until after the next sleep. Re-

poet to Miti-oro and tell him I have commended you for your action in destroying the enemy sine," Oneli bowed low and withdrew. Pete thought he saw an expression of suspicion pass over his distorted features. But you couldn't be sure about any facial expression of these crestures—excepting the hatred that flashed from their beady eyes. Ongli was the only one of those they had seen, who did not resister undying enmits when his eyes rested on them. Funny they tolerated

No sooner had Ough retired from the room when two unwilling guests. "That one," he said, "is the most humanlike of all his kind. He seems to have understandgotten. But, even so, I do not relish the showeld of him as an infimate. God, but they're repulsive! I can't wait for the time to press the release of the energy that will spell the doom of the entire breed. Miti-oco, their king. trusts me. Ongli trusts me. But little do they suspect that I have discovered the secret of the frequency that will destroy their supply of the radioactive prophylactic on which their existence depends. Little do they think that I, Chevan, am to be their Nemesis as they are to be the Nemeric of the upper world."

He pointed a finger to a metal-studded door in a corper of the room. "Behind that door," he glosted, "then is the nortable transmitter of the frequency that does the trick. When the great work is accomplished and when shall actuate that transmirser. Then Chevan alone will hold the fate of the earth in his hands; the new era will have begun. And you, Peter Caldwell, shall share in the

From the front door came the cold voice of Onelli bringly saccastic. "There be no "if' André Chevan. Ougli has besed. Now, Miti-ero hear and Chevan live not to see the day. Traitor!" Chevan had risen from his chair, his face purpling Onick as a flash his hand shot over the dose too and a

it was gripped a slender weapon at eight of which Ongl turned suddenly to fice. But too late. The spiteful crack of the ray partil compided with his movement and a audden finsh of light burst forth between his broad shoulders; a splash of flame it seemed to be, searing flome that spread and devoured in an instant. Ourli was no more. Just vanished in a puff of vapor like a punc-

"So," the commander churkled, replacing his ray pisto envestropoing for the last time. Chevan is not exurbi nappeng casily." Pete clouched his fists and starred hopelessly at Ren.

Their only friend in the realm was gone-though be could have done them little good. Chevan was manipubeing the dials of the releasest now and the screen lighted with its usual cold blow. A simster countenance faced them from its surface; bendy Alexts eyes wandered from

"Miti-oro greets you, Chevan," came a metallic voice from the writhing line of the amarition. "What is it You wish?" "Greetings, oh King," the commander replied, in silks

tones. "It is to report the passing of Ongli, your "One's in dead?" Swift anger crossed the stern visage of the ruler of Aks, "By whose hand?" "Mine, your majesty," Chevan returned swiftly, "he was piceting to return these captives to the surface and

I described him. The upper world would have been warned and the campaign made more difficult. Onell's knowledge of insulating material-they would keem "Enough, Chevan, You have done well, You will now hill the castives?" Miti-oco eyed them dispassionately,

"Not yet, oh King. They have much knowledge which I wish to obtain. Some of it is vital. They shall live net a while."

"It is well. Chevan, But sward them well," "Of a certainty."

"how Chevan wrare them around his little fingers? Even their lung, Oh, I tell you, boys, this is soft. It is fike steeling candy from children. "Story-faced devd. isn't be?" said Pete irrelevantly

"Yes. And stony hearted. But Chevan has a stonier heart. Go now and don't forget what you have seen and heard. But five days remain to you and, in that time, remember-Chevan keeps his word. Chevan is all-powerful. I shall await your decision."

Speechless, they left the presence of the doubledealing bengang. And the guards followed them more closely as they proceeded to their own quarters.

THE twenty-four hour periods passed more slowly and miserably after that. Days, they were accustomed to counting them, these interminable periods that they could only lose track of by their own watches. Chevan did not again send for them and a new guide had supplanted Ougli; an unfriendly beast who rarely snoke to them and who watched them with eagle eye. Each day the muttering of the guards and of the Akata They were taken wherever they wished to go and, grudgingly it is true, given all information for which they asked. They nicked up a few words of the outlandish language and were able to make their simple wants known. They even visited the oxygen generators and air-conditioning cells, the most vital mechanisms in the

reslen. Pete was becoming a passie to his friend and a nuisance to the guards, with whom he was continuously in trouble. He had developed a liabit of straying away and be was detected in the act of concealing some trifling article on his person and this always becarit an arrument with two or more of the guards. Once he lost his temper and sent one of the creatures kicking with a muchty wallon on the chin. He was immediately nounced

Most of the sixth day was passed in the assembling they learned much more about the construction and operation of these monster fighting machines. They of the votions of the surface. The radium enumes succe marwious mechanisms and raused no nollution of the air when submerged. They eliminated the need for and for cousting Diesel engines when on the surface, And the fuel compartments were little more than tiny sallor's lurgage, yet provided a cruising radius of twenty thousand nules on land or sea: And the armament of these engines of destruction! Fourteen-inch guns that more powerful than any in use on the surface; rox

disseminators that could wither an agre of forest at a puff-these were but a few of the terrible implements of During the sixth sleeping period, Ben smaled through

Eps close to his friend's ear that the guards outside might not overhear his conversation and to forestall any effort of Chevan's an case he was listening the sound mechanism of his teleview. "Say!" he whispered huskily. "What're we going to do? Make a show of joining up and then want for a chance to get away 20

"Not on your life! We gotta stall off this crazy guy and his clever heavis. If they ever get started they'll clean up the world. No fooling! This war lunk of theirs is the berries. Nothing can stop 'em if they get

"Yest-looks lad. But how're we poing to ston 'em?" "I've got a plan, Ben. Been picking up some stuff

"What did you get?"

"Pierrey. Couple of their ray pistols and some gas hombs. A bunch of keys and some other stuff we'll "No kidding! But. Pete, how in the davil can we put it over on Chevan and these millions of ages that're working for him? How can we get out of here and back

"Is that so? Listen-I said I had a plan and I have. Maybe we'll be killed, but that'll be no worse than the

theirs, too " Unconsciously they had raised their voices, though they had been most careful in this respect previously. Now they were startled by a sudden commotion in the

hall. The voices of Chevan in load angry tones! "Here, quick?" Pete muttered, thrusting a cold metal lic object into Ben's hand, "A ray pistol, Might need He rushed to seep on the lights and the two draped

themselves negligently over adjoining chairs as if they had been engaged in an inconsequential discussion. The door flew open and Chevan pushed in, at least ten of the ugly Akata behind han,

"Ha!" he bellowed. "So you're planning treason? did you?" He roared a command to his mirrions in the

Pete had his feet drawn up under him and Chevan was directly before him, stoking a ham-like firt in his face. He could not have heard the part about the ray Alexa had drawn their own ray nistals, but Pete saw that these were only of the paralyzing kind. Their orders had been not to kill and these were their only

"The vibratory death for both of you!" Chevan was shouting. "A Ingering and excruciating agony that is still too good for you. I shall writh with delight as your bodies tremble and oscillate with increasing intensity until each joint shall have left its socket until--He never finished the tirade, for Pete's feet shot forth and caught him full in the middle. A terrible trick of the Canadian wilds! The commander went down with a strrific trash and did not rise. Blood gusted from a deep gush in his temple where he had struck a corner of the metal-torond table in falling,

The two Americans were on their feet now, the rays from their disintervances flashing amounts the aston ished Akets. At each contact one of the deformed creatures shriveled in a blinding flash and a puff of vapor Now they were coming into a lighted chamber. The and was gone. Closely museed as they were, seven or voices of a group of Akuts reached them. eight of them were obliterated at the first volley. Pete felt "Ouiet," and Pete. "We'll have to creek 'em "

his arm go dead as a paralyzing my struck home. Bon's death ray had caught his antaronist in time to spoil his aim, else he'd have been completely paralyzed. One of the remaining two darted for the door to spread the slarm. They must not let him get away? Pete dived through the air and brought him down in good old football fashion. Then he straddled the malformed

Ben had accounted for the other. "First blood!" Pete chortled as he arose and closed

the door, "Now let's look at the old man." He knelt by the prostrate form of Chevan and felt for "Dead to a herring, Ben," he said. "There goes an-

other dream of an empire. They always think they're invincible, these would-be would conquerors. Then some little thing like this-The shrick of a siren interrupted him.

"Lord?" grouned Ben, "the slarm is out. These ages are uncanny the way they learn throws." "Shut up!" Pete hissed, "We'll best 'em to it." He

THEY shoped into the pressage and more four-side half. A number of harrying Akata come howl-

ang behand them. Pete torsed a gas bomb in their midst "Onick!" he whispered. "The small elevator. We'll go down." Facing was returning to his left arm and it pained borribly.

The automatic elevator dropped them a dozen levels Or so at the touch of a button. Pree knew where they were going and Ben did not question him.

They emerged in a dark tunnel that was cut loss the solid rock. A pecket flashlight-another of Pete's pekups-showed them the way.

"You're heading for the magnaine-where they store the high explosive!" Ben gasped. "Van bet! We'll blow it to kingdom come and a whole corner of Aka along with it." He was fingering a

small corners object "What's that. Pete?"

"A detonator. You know-off the end of a shell, Going to set it for ten minutes to give us a cluster to get Ben braved a sigh of relief. He had wondered about that-it would be just life Perc to blow them up along

with the magazine if he thought the sacrifice would upset One of the metal doors of the magazine was alread, A key from the bunch produced by Pete opened it

then burled it into an open eanister and closed the door. that led downward. These tunnels were deserted and abre with searchers. They must hurry,

"How'd you learn about all these passages?" Ben jerked out as they ran. "Map. Hooked one the other day and been studying

Ben marveled at the resourcefulness and secretiveness

They peered into the opening, which was a way station of the preumatic tabe. Three of the dwarfs were integrators accounted for them

waiting for a cur. As many dashes from their dis-"Funny," said Ben as they walked to the platform, "doesn't even make you feel squirmy to kill 'em, Just

The swish of air warned them of the approach of a car. The exit doce from the incoming tube popped open

in, brandfalling their my pistols. Only three passengers were in the seats, two of these sistance. None of them was arrord and they readily submitted to the Americans, who gagged them and tied their hunds and feet with cord rapped from the upholstery. These cars were automatic, so there was no operator to

Pete referred to his map now, "Next stop," he am-

"Navy yard, or whatever they call it. Where the sub-

"You son-of-a-gunt" Ben exclaimed in admiration "But there'll be a gang of apes there, won't there?" "No, only the watchmen. The searching parties'? never dream we could get there so quickly," But Pete was overly optimistic in this, for when the

tion they found it was alive with armed Algas, "Now we're in for it," grouned Ben "Easy now," Pete warned. "We'll gas 'em."

He unclamped the door and swang it a few inches. hurling one of the egg-shaped grenades into the midst of the crowd. There was a muffed explosion and he had of the car he closed the emergency switch that made the automatic controls inoperative. Reaching into the breast of his shirt he withdrew two folded packets and handed

"Gas masks?" exclaimed the mechanic. "You think of everything, don't you?" "Have to," Pete grinned as he adjusted the protte-

tive device over his head. "Come on now, let's go?" They were out in the station then, climbing over piles of bodies, some still squimning in their death arenies. others inert. The gas of the Akata was powerful stuff, NARROW passage led from the station into the

A "navy yard," as Pete had called it, and they shd through contiously until they came to the entrance of the great chamber. Two guards were on duty at this point and each of the Americans selected one, postnesse upon them from behind and with quick grasps of their windpipes throttling any possible outery. They dragged the creatures into the passage and despatched them quickly and silently.

Now they were in the huge chamber among the subtanks. They skirted one of the outer walls to keep out of sight of any of the watchmen who might be around.

If only they could reach their destination before the The lone tank which faced the glant sirlock loomed before them in the semi-darkness. None of the Akstr

was in sight. Pete sneaked along beside one of the It was the work of but a moment to clame the her-

metically scaled cover and pull the switch that turned on all lights in the mighty war machine.

"How're we going to get out?" asked Ben. "Cut our way through. Come on-up to the forward

A tremendous shock threw them flat. The tank seemed to have jumped a foot in the air. "What was that?" Ben turned a white face toward

"The magazine," Pete grinned, "Never think we could've done all this in ten minutes, would you?" Then there came a maring rumble which echood and reverberated in the base cavera outside, coming to their

cars even through the thick double hull of the sub-tunk. "Geez!" mattered Ben. "Some hust-up!" "And how! I'll bet fourteen levels were caved in over

keep 'em-suessing for some time and maybe give us a chance to do some things." They climbed the ladder in the central well of the sub-

and made their way to the forward turret. Pote exlength of tubing with many handwheels and gadgets on its mounting. He had carefully inquired regarding the operation of these weapons and now pulled a lever that projected from the control hox alonevide. The right white of a great generator answered from somewhere

Through the thick class of the observation nost they watched as the fusing beam cut into the heavy metal of the sirlock ahead. As it bored through with a shower of beam to cut away a huge circle just inside the run of

vell that resounded terrifyingly in the narrow confines

"There's a gazer in the cavern?" he should. "They're marriang one of the other tanks?" "Swing that other projector around and give 'em

"How " Ben was norolessed. "Works just like this one, you damb-bell. Hop to it now?" Pete roared impatiently. Ben was a trial at

times. Couldn't he see that he was too busy with the The inner door of the siriork fell in with a crush Now the beam was at work on the outer. He wondered if the incushing water would quench the terrible heat of the beam. Now it was through at one point and no water entered. Building up steam pressure outside probably and that would hold back the water despute its two hundred pounds pressure to the square inch. Or no-it was disintegrating the brine as fast as it poured through-that was it. He wondered how Ben was

Water was coming in now, through the narrow slit above the point where the beam was cutting-lots of water. But the beam still operated; it was cutting The outer door was driven in by the tremendous pres-

the sub-tank was tossed about like a cock. Pere was something hard. He staggered to his feet and made for the control goom in a daze. Dimly it came to him that Ben was down and out-bireding like a pig. Poor old HARDLY knowing what he was doing, he yanked the lever that started the main generators. The

sure of the water before its last section was cut through

answering rumble below told him that all was well with the machinery. He tried to remember the uses of the knew they were moving forward. The brilliant beams of the searchlights illuminated the jugged openings shead. They were crawling through on their great externillars. He wised the blood from his eyes and cursed. Ben

was dead-good old Ben. But already he was avenged. The incoming waters would drown the Alerta in droves. slowly and miserably. He wished he could hear them squeal. Overrun the Americas, would they? He thought electually of those torrents that now were notifine through every passage and chamber of Alia, Finally the farthest corners of the resim. Every one of the dirty heasts would perish. And he, Pete Caldwell, would have killed seven millions of them, if the figures were right. The sub-tank was moving faster now over the un-

of outside air. God! The lever was broken off short! The numps could not be operated. He would die on the bottom-miserably, like the Aleata Then he thought of the tank which was being made

ready to follow them. Maybe Ben had not been able to put them out of commission with that ray projector. And even one of the dammed things could do a lot of damage up above. He awang the great bulk of his own sub around by reversing one of the caterpillars. Yes, sure as hell and high water, there it was! Just poking its nose out from the destroyed arrively. He remarks bered one of the ray projectors that was operative under water. Lucky he'd asked about that. Bringing the controls to neutral he dashed for the turret once more,

When he reached the hattery of ray projectors and poored through the port he saw that a slender neural of orange light already was extending from the other sub-tank. Playing over the metal hull of his own vessel, it was. That would be the under-water beam. Savarely he jerked at the controls of the one projector he could use in the circumstances. Another beam of hele seed forth and be directed it at the turret from which the other was coming. There was a final at the far end He had out it out of commission at the first ery. Relentlessly be bored into the sides of the other amphibsan; bored and bored with the ray until he saw a large section of the holl fuse away and admit the waters of the

"Got 'em, thank God?" he exclaimed fervently. "That's the last of the soum now, for sure," "Whadin say?" a feeble voice mumbled

"Ben!" It you Ben. He hodn't kicked in after all. But he would-hater. Lord! He must break it to him gently. Water was coming in now too. Down below, where the devils had bored through the hull. That would make it a little quicker anyhow. But Ben-Ben was such a helpless bird and so dependent on him for every-

"Ben," he was saying as he felt over his body for broken bones or serious wounds. "You all right, old man?

"Sure. Just backed out, ther's all. But I didn't set that sub-tank." "Don't worry about that. It's all right, Ben."

"Then let's go home," Ben sat up and propped him self against the curved wall of the surret. "Ben, we can't. The bullast pumps won't work and herdes, there's water coming in. We're stuck .

here . . . old man . . . done for, the two of us." His friend stared blackly for a moment. "Why, you thing in the super-structure? You know-the detachable life hoat affair they told us about?" Ben had not one over on him at hot. Pete did some staring on his own account: then busyed his friend de briously. He'd forgotten this safety feature himself.

TWENTY minutes later they were on the surface they had entered through its clever air-locked attachment to the sub-tank. It had abot to the world of sunlight and fresh air like a huller when the release levers inside were They breathed deep for a long time without talking

It was good to be back to their own world, even though they were all in and a mighty long way from land. Then Pete told of the fight with the other sub-task wreck it. It seemed there was one thing about the armathe marreton muchine before the water came in and the rays struck harmless against this barrier. Appar-

"Well, it was a good job as it turned out," Pete gleated, "and we're mighty lucky to be bere." "Long way from land, though," Ben objected, tooking doubtfully at the cars and striving hard to keep from

Pete was as exhausted as his friend has he descond himself to the provision looker and nummaced accord-

"Ought to be a said in the equipment somewhere," he granted from the depths of the looker. "Found a short

"Three hundred miles to Auckland?" Ben contemplated the effort with disman Pete grinned sheepishly when he came up from the

pretty punk," he admitted. "A look at Chevan's chart miles from that now. They naked us un riobs about here, was know, and I was wrong on the distance." "Well, my estimate on the eas wasn't so hot cither." said Ben. "Thought fifty gallons'd give out on us and drop us in the drink before we were half way there. I was farther off than you were." Pere had located the soil and they prepared to sten

"Here you," growled Ben, noting that his friend was

investigation of the locker. "Guess my reckoning was

groggy. "You got a nesty cut on your head. Better let me wash it and fix it up for you first." "Don't use too much of the dripking water." Pete

warned, sitting down weakly and submitting to Ben's It was a case of the blind leading the blind. Both were

so worn out they could scarcely sit up-too dated even to marvel at their extraordinary experiences of the past week-too tired even to give thanks for their miraculous Eventually, everything was in shape; the sail set and the effer hashed with herkets. They talked things over

in draway tones as the thirty foot lifeboat plowed through a moderately choppy sea toward Auckland, "We'll make it in a day, if the breeze holds out," said "Face. Glad I was wrong with my reckoning."

"Me 500." Ben broke the silence sexin, after a morest. "What'll we tell 'eyn, Pete?" he asked, facily,

"Everybody. The boss-the newspapers-the gang Probably been our looking for us for days. They'll want

"Have to cook up some yarn. Ben. Plane downfound this beat adrift. Sort of a miracle, you know "Well, you are dutth. Who'd believe a crazy yern

the shot? I hardly believe it myself, now it's over-Who'd believe there was a place like Aka, or a burbouse fable about a lost race planning to lick the most()? Sounds like a fairy tale. And to make ourselves out as Don't make me leach. They'd say we were dronk. No. not a word about Chevan or the Akata-sub-tanks either.

"Okay, You're right, "Two good most though . . . while it lasted . . . good sport.

"Oh sure." Pete saw that his friend had fallen asleen. He was on the point of allocing away himself. Serenely forgetful, neither of them gave a further thought to the dangers through which they had passed so miraculossily, mor to the involvabile value of the service they had given to an unsuspecting and defense-

Adventupous Yankees are like that,

# The Black Hand



table, the anestherist

asked, "What shall I

use, Doctor?'

## Charles Gardner Bowers

AN conient physician and well-house writer, in complying with our report to the check up on the medical aspects of the snew, add, in part: "Please extent my personal congratulations to the writer of this story. It is a clever conception and a fine piece of work. The psychological phases of it tickle me pink, and the unergy is fine better than anything I could have written." And we adopt add that it is pointed by the could be the content. "And we adopt add that it is pointed by the title that the could be the content." And we adopt add that it is pointed by the title that the could be content. The could be content to the content of the content

#### Illustrated by MOREY

UT demu it, dester, I car't lose my hand was a lose in y loude at being a loude of a surgeon. I thought when I cashed you that I was spitling the best, and now it's too hate to change, and you just stand three watching my head not en away. So something and be quick about it or I'll thereo you cut even more. And then controlling you can do?" one now, doe'l lain't there controlling you can do?"

"Yes, there is something. I can amputate and save your arm, as two days ago I could have saved your head, if you hadn't been so cenfounded stubborn," "But what's a stump to an artist? Fungers and hand are what he notels. Oh, why can't wen save my head?

are what he needs. Oh, why can't you save my hand?
Why should I of all people, he picked so lose his hand?
Why saan't it my left hand, a leg; oh anything but my
right hand?
"Why, only day before yesterday morning I was uning

"wisy, only my tentre yesterfully meeting I was using it on a portrait of the Prince of Siam, and now look at it." He carmed on his sade and glanced at the swolling and dissorted upper extremity resting on a pillow, which hand had forty-eight hours before been to perfect. "Chi I Great God, dee, look there," he almost shrinked

hand had forty-sight hours before hom so perfect.
"Ohl Green Gold, de, loed here," he insmet shrieked
as the dotter removed the final turn of genne. "Blood
poleomip has already set in." There on the bade of his
hand was a red and sugry patitule no larger than a direa,
freen which coned yolosish and very forting in. Radiating up the bade of his forestam were a series of red and
purple areas... "Bee about less day," he almost oried,
de. 191 die just in turn to miss getting a jelture in the
National Academy. Oh, what III does.

"Oh! Calm down a moment. You're not dead yet, if you were, you wouldn't make so much inferral recleat. Bendes that's not blood possoning—there ain't no such

areinal."
"Well I guess I know what is, can't I see it?"
"That's the first time I knew you studied diagnosis

the text of the rest of the control of the control

Aerogenes Copsulat pangrene."

"Last night you said these intinium would stop it, and this morning it's ten times worth?" It didn't say it's ventiles when it's might stop it. I said it might stop it. I said the report and by its supermore tooky. I know it to be a typical case of gas bacilos interion with indipent gangere. These incisions are of very slight value in this type of infection. Had it been a case of celluliti, which is an infection of the loose conscribe instance, we might have

is the only kind which can be successfully applied, and year'll be hordy to get off with your life."

"Save my life," cried Van Puyster. "What good's my life without my arm? Oo, do something doe, do samething." And then he sighed resignedly. "Oh, that's all light Dr. Faces. Vire, better more that I are successful."

right Dr. Evans. You've bern a good sport but I guess I might as well give in. The time comes only once in a lifetime."

lifetime."
"Come on now, that's enough of that. Shut down a moment and listen to reason. I have an alternative for

"No you don't. I don't want one of your infernal bather and metal contragionas."
"I soud, liken. You always were a speiled nas. For one in your pampered life, try to see if you can laten. Two got to ampraisas, and the longer you weak the more you lose, but there's a pambling chance to either win or lose the untrea ant."

"You You really mean—"
"Yes I really mean, if you can keep still long enough
for me to tell you, that you may have the equivalent of
your original arm, or you may lose the entire extremity."
"You know I'd do or rale anything to get my how

Comments and a part will power again and try to Broat though job off vegory poin to. When I was a tandem, I had my thinnb practically severed, in fact it was can though the low on and daughd by a piece of side. As it was can by a antertome brift, the wound was not soletoned by a milestome brift, the wound was not solecountry approximately the cold, that creations was inmediately reasoned. There was no feelings in that them is not over a year bound error follower sime host grows not were they make of old most along the more grows not were they make of old most along the more transparent. The cold president of the first part and the large means. The only ministeness that I every suffered

making is this thin transverse sear extending almost around it."

"But what's that got to do with my arm? I——"

D. R. EVANS heaved a long sigh that counded more the a groun. "If you can ever owners that must be impossible to discurrently, I'll be eterrally gratiful. I'd be willing to swear with my right hand on a Grey's Annatomy that the coly way to make you stop is one to the superior lavyaged nerve."

A play of possible surveyed.

A hole of lumility spread over the artist's face. "Go aband, doe, I'll premise not to do it agoin."
"When your hand first became infected, I know what was going to happen. I know that you would not consult to free incusions. I resilted, also that with your

lowered whility from too much indoor work, that the infection could not be stopped. In articlopation of three warmens several, awayflung us meadings for me to perform an operation that will give you an arm. The only secretify is over supply to an about

"There is a condemned man in the state prison who has agreed to sell you his arm before he dies."

"But, but I—"
"Did you wish to say something, Mr. Van Puyster,"
asked Dr. Evans solicibously.
"No sir," came back very meekly.

"Then to continue. I agree that it is not very pleasant to know that you are using the arm that has mustifered an unarmed man, still worse to realize that the arm as black, but the munifold benefits secreting from

its me will always be a biessing to you."
"Do you mean to graft—."
"Exactly. To a skilling surgeon, the operation should not be impossible."
"I know it never has been done, on humons, but if

has been done on frogs. Not only his an arm been gastlind, but frogs have been severed in the middle and the posterior end of one was attached to the autorium out of the other and that composite frog lived until its untimody doubt, three works lister, by an accident. "To get to the more human possibilities of the prob-

"To get to the more training possibilities of the probtion. Ship spirits and infort transitions we done every terms, you can see the plausability of such an operation. It foreign boild will see as a look, why not a foreign strony? Bone geths are not infrequent, so there is no reason why it is not operation to thought as one reaments. There is, today, is linguistic, a surgery who has no seen. There is, today, is linguistic, a surgery who has not seen to the surgery of the surgery of the surgery performed two number operations. Both comes were much the same. The proteins simply having lost their thurtha, the surgery recomputation of the surgery of the surgery

the same. The parients simply having lost their thumbs, stump and taking the ring finger of the same, or coposite hand, substituted it for the stump. In both cases tioned perfectly. I have X-rayed both your arm and the denor's and as they are both of corresponding girth. and the arteries, nerves and muscles of similar size and location, the greatest difficulty will be experienced in somenr the various welds, actories and nerves. Hancily, where I intend to make this resection, in the center of the bacess muscle, there are only two important vessels, the brachial artery and the bastic vein; the other vessels may be needected as circulation is easily carried on by these two. There will remain then six large nerves which may prove difficult, and only four muscles and the homerus. The humerus, you know, is the bope of the sem. The union, by suturing of the various structurns, should be comparatively sample. For some strange

reason his blood types perfectly with yours, indicating

I presume, that somewhere back in either your ancestry or his, there was a white or negro parent as the case may be.

"In this case, I intend to make a direct transfer of his arm to your sturne, as I do not think you would reliab being bound by the side of a condemned criminal for

his arm to your sturre, as I do not think you would reliable being bound by the side of a condemned criminal for ten minutes, much less ten days, furthermore, he is doomed to execution before that tithe would have appired. In lieu of this I latend to employ arterioringhy, or in simple terms, the sewing together of blood vassile. This will, of course, cause an almost immodular contin-

unton of circulation.

"As to the cost of the operation. The nagro wishes \$30,000 to go to his exact and he wants an impressive burial. I shall charge no more than my regular fee for amputations, as I greatly desire the honor of being the first to accomplish this operation.

"The negro being condemned to the lethal chamber shall, instead, die under the anesthesia. Have I made everything clear?"

overything clear?"
"I, I think so, doctor. Just, just let me think it over."
"Very well. I shall be back in an hour. I am sorry to
no rush you but the need for the operation is most
miniment."
Van Payseer was so dozed that he did not answer the

deters" "Good by." The above to his seathers mind we almost overgovering. The thought of a black hand was revolving, but the thought of no hand as all was itsedenth iters!. We shall the hand be large and solvewed or would it be sheader and constitive? Was it coull back, to only a light mediate? Could be ever return to secrety with noth a stigma? These and many others were the thoughts he pondered over, and after when

or only a light mulated? Could be ever return to his society with such a stigma? These and many others were the thoughts he pondered over, and after what seemed like only a few minutes, Dr. Evans was bask in the room.

VAN PUYSTER seemed haggard and own when the dector saled for his decision. He save a

sigh and said, "Go ahead, doc, I've lost all the fight I ever had" Dr. Evans stepped to the door and two orderlies entered with a stretcher to take him to the ambulance waiting outside. "The operation has to take place at the prison," was the doctor's exposition. "The opportuni negro. It seems there is some law against it." He took a silver case from his cost pocket and withdrew therefrom a minute hypodermic syringe. Van Puyster looked on with expression alon to horror. "It's all right," the doctor said. "This is just a preoperative shot. It's perfectly painless and contains morphine, atrophine, and scornlowing. The morning is used as an anesthetic and sudorific, the atrooine and scorelomine as atmulants, and the scopalomise has also a sudorific effect. These incredients greatly reduce the sheek of the coers,

operating room, if desert/ matter, to you, if the calkbage never books? I years I'll laws to laws year mow, but I'll see you have at the pricon. I'll have to scrul up and have the last minute decida propased by the time of have the last minute decida propased by the time of When Van Paysors arrived, he was pleasarily drowny. He did not even protect that the amiliance did not drive at its usual breaknoids speed. He did not notice when he was put on the wholed stretcher to be

prevalent, were of soft powder blue. The floor was a warm gray and covered with a seamless, waterproof compound which yielded alightly to the trend, thus reduring fatigue and resultant errors. All the furtness in the room, including the table itself, were of gray. Even the gowns were of the selfsame color-gray-and instead of dragging the floor on the smaller surses, and missing the knee of the anesthetist, who was abnormally large, by three inches, each person had his individual gown, which hung a uniform six inches above the floor. The skylight was of thin translucent glass which filtered out the hard irritating sun rays, but transmitted the ultra-violet rays which are so destructive to microscopic organisms. The operating light itself was contained in frosted creetal and lighted the field perfectly, without undue hardship on the surreous' eves. These impovetions, which the doctor often liked to explain to visitors.

not notice how far different it was from the usual type

were his own, and as the surroundings had a sochling effect on all within their influence, the mortality from operations within this amplitudence was considerably less than that in the usual white operating room. Van Poyster was wheeled in and as he was placed upon the table the anestherie saided. "What shall I use.

Doctor?"
"Use ethylene. I think it will be best for this operation became it gives excellent anothesis with no disagreeable after effect and the patient succumbs to its in-

greates after entert and the patient succumes to its influences almost immediately."

The mask was fitted over his face and the ethyleneoxygen mixture turned on. In a few seconds the regular rhythm of his breathing showed that he was asleep.

was now whetelf in and planed on a table boils have Dra title of operation were sterflined with pipele and Dra title of operation were sterflined with pipele and the pipele of the sterfline of the pipele of the telline area. Touring-ster we regified both above and below the size of incident to prevent the low above and below the size of incident to prevent the low above and below the size of incident prevents pipele above and below the size of the prevents pipele and the saintent, Dr. Ayatin, with a late may previously in translet as to the procedure, case began his instinct in saintent, Dr. Ayatin, with a late mere previously in translet as to the procedure, case began his instinct to the saintent. Dr. Ayatin, with a late mere previously intered to the saintent previously the previously and the saintent previously and the previously are accommendated by the saintent previously and the previously area. The saintent previously are also a saintent of the previously area of the previously and the previously area.

chan wound behind. After the dealls amputation, Dr. Evans and Dr. Aquino begin the union of the black aim to the white, — "Fire black all: arterial surane, please," saked Dr. Evans. "We must revise direction as quickly as poor saked the property of the property. The promail straight must the cash of the brachall artery. The normal straight

while. Dr. Aquano, "he continued in his finest oldistic style," Than cut the wealth and merest long roungly is that suturing may be saidly accomplished. We will first start the said of the said of the said of the said which may remain. Now, having done no, we will direct which may remain. Now, having done no, we will direct our attention to the basille with The cephales whe which we see on the front of the arm, we will angient, as a lowe well doe with the perjustic bondalitie arrive. Now let us turn our attention to the Immens. You are such as made is no make to the server coincide. The

# Via the Time Accelerator

INNER had just in the first of the first of

meanby table.
"Wells' 'Time Machine,' ch?"
I began, picking up the little
volume and thumbring the pages.
"So "is. Ever read it?"
I assured kim I had, and after
a brief discussion on the literary points of the story, our dis-

course turned to its practical possibilities.

"Looky here—what do you think of time-traveling? Con-

demanded.

My answer indicated that I

jeet. "It's dangerous nowadays to exploy the word impossible." It conclusion." So darm many 'impossible' things have become commonplace facts that the word hardy belong in the woodsibley and tonger. So I wouldn't say that time-travoling is impossible; but since my sentiments are conservative. I wouldn't say offered that it is passible either. I prefer, at the present, to re-main nextral with reference to that question."

that it is possible either. I prefer, at the present, to remain neutral with reference to the question."
"A commendable strinde," my companion lauded with a nod. "Very commendable. I suppose if sameone yeared to you that time-traveling is possible, you'd

embrace the theory?"
"Absolutely! It would be silly to close one's eyes to a demonstrated fact."
"Sure those. Now if I told you that time-traveling

is possible, would you believe me?"

I did not reply at once; instead I surveyed my friends
carefully from head to toe—sletch black hair, comments
carefully from head to toe—sletch black hair, comments
clean-absert flace with its twistling More eye, and tall,
well-flow body in its blue serge star. Benchturst was
about thirty-split to forty years old, unarrared, thirty
well off, and an electrical engineer by profession

"Hum—well—"to believe you if you could rece-

A GREAT meany of us have found a tories of the past intensity absorbing and instructive, but we doubt whither there are many who would not give a good deal to go a head into their netry would be a more of course. Essetein, with his generally measurement there is not to be a superior of course there is no confusing even to mercus theories so confusing even to eminent settinists, has apparently

metions interests to this unit could be entirely a consistent of the consistent of the country o

your assertion," I answered at
dist dowly, "But as long as you
just my it's possible."
to retain my present impartial
attitude. Why—bave you mything authentic to indicate that
it is possible."

Brockshayer laughed a little,

of "A lot of mathematics that you couldn't follow to save your sout, and—a time methine."

I cought my breath to stare at him—increditionally, I am straid.

"A nine machine?" I recent-

"A nine machine?" I repeatof at last with an interrogative
inflection. "Whaddays mess?
"Show me!"

"Step right this way, please!"

was the obliging rejoinder, and
rising from his cleair, my host
conducted me to the workshop
at the rear of his house.

Why should I bether to de-

sorbe the room? It fooled just sorbe the room? It fooled just sorbe the room? It fooled just experimenter's inhomatory in one might expect as electrical experimentary in the control of t

that was now closed, reposed a small cabin airplane, resting on a pair of staunch, rubber-dired wheels, between which I saw a compact array of electric machinery.

"Cast an appraising eye over the first time runching," invited Breathway with a renormanian disorder.

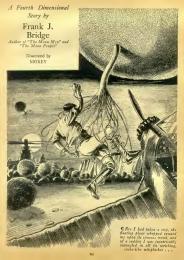
invited Brockhurst with a magnazimous fourish, as we paused before the craft.

"Oh!" I exclaimed with a snicker, "I see. All you

have to do is to climb into the trusty old crate, sort g the motor, and sour back and forth through time like a bird, bah?"

I looked at him quireically.
"Evidently," he smitted at me with a merry twinite

In his eyes, "evidently you are a trifle namplimed as to what my hig idea is. Here you see before you a perfectly natural-looking menoplane, evidently constructed for the navigation of the third dimension; and here I



explain how it works?"

"Naturally-if you want to windicate your purpose

"Very we'll then" Brockburst seated himself on a table close by, motioning me to take my place beside "Til try to combon its rudiments as briefly as I can. First I'll have to give you a sketch of its principle, so that you may appreciate its operation. Do you

"A little," I confessed after a mementary pause "Not much" "Good! I suppose, then, that you know what a

I podded, and to show him I meant it, answered sloud, "A world-line is a continuous succession of noted-events in a four-dimensional source; or, in other words, it is the path pursued by any particular body

through space and time. It is the body's trajectory, so to speak " "That's the idea!" veiled Brockhorst, slapping me on the back. His enthroisen was too great; I felt be was politing fun at me. "For sustance," he went on, line would extend only into Time, or the Four Dimension, as some people cell it. Now then, if we teck any porticular trent on that world-line-say the posit at a x," x," designated by the dimensions x, y, x, and tit follows that the adjoining point on each side will be

the direction of the Fourth Dimension from our scletter world-point. That is, the one point-w',' x',' x', s'/-will be in the future of our designated point, while the other-or, so so so will be in the sout. You

"All right. Now-here's where we get to the core of the matter: Do you know that the Fourth Dissenrism need not necessarily be time?" "It makes no difference whether or not we reserve

after a moment. "To all practical purposes the Fourth Dissension and Time are identical. But-according to a certain acceptist named Turner, the Fourth Dimension is not time, but a certain constant multiplied by

if we let sy represent the fourth directaion of space, we

where e is the velocity of hight-186,000 miles per second-and I is any period of time we choose to work

"Since velocity is distance divided by time, we can make this equation a little more specific by writing it

in which I is the unit of distance-180,000 miles-and I is the time required for light to cover that distance, or one second. From this we can see that every body travels 186,000 miles into the Fourth Dimension every

"Upon this assertion of Dr. Turner I based certain calculations of my own, which eventually culminated in this time machine here. I won't go into the details different extensions into the Fourth Dimension. The

that a particle's velocity through space must also influence its progress along the Fourth Dimension. "Time as we know it is not universally absolute. The velocity of its observer with repard to some certain reference system. A moving clock will run slower with respect to a selected co-ordinate system than a stationary one. According to the Lorentz-Pitererald formula, the 'time' of either clock is

right now, but, briefly, it occurred to me that those

VI-010 where I is the clock's rate when it is stationary, v is its velocity through space, and c is the velocity of light."

Brockburst stopped in order to shift his position "Let me give you an example. Imprine two asteroids in space, 161,000 miles apert. For the sake of sim-

plienty we will assume they are stationary in space, at least in relation to each other. On one of these asteroids, which we will call A, we piece two observers hav-One observer, O. has a susce-flier estable of attaining enormous speeds. Now at a given instant, which is the same for both observers, O starts his space-filer and at the velocity of 161,000 miles per second flies from asteroid A to asteroid B. The second observer, S. remaining on A, watches and times the flight of his comranion, remarking that exactly one second is required for O to make his trio from A to B. O. however, likewise times his trip, and he finds that only helf a second that his watch run only half as fast so normally while be was flying through space from A to B.

"Now this idea, it occurred to me, must also apply to Turner's survestion of the Fourth Dunension. It there is no absolute riese in the world, there is no absocomes

t being the rate of time-passage to a stationary particle. and T being the rate of a moving particle. And T, of course, has the value excressed in the Lorentz Transformation equation which I gave you before. More specifically, therefore, the artial equation of a hody's extension into the Fourth Dimension is

$$w = \left( \frac{1}{\sqrt{1 - w'/\varepsilon^2}} \right) \, e^{\alpha}$$

Again Brockhurst paused and took a deep breath be-"Do you see the impliestann? It is simply that there is no absolve rate of motion into the Fourth Dimenston! Time, or more accurately, passage through the Fourth Denominon, as far as concerns any particular body, depends upon the velocity of that particle through smoot. If its velocity equals that of light, there is no

If the velocity is zero the rate of time-passage is at its "That idea forms the basis of my time mechan. Particles traveling through space at different velocities have thing to do in order to travel into the future or the pest of a certain world-point is to alter one's velocity with reference to that point. "The only way in which we seemed likely to accomclish this was through particle vibration. No apper-

est passage of time can be measured from an atom, or other parciale which does not vibrate. Time becomes inexistent to that particle. Thus a particle which is vibroting at a certain rate has a different space-time relationship than a second particle vibrating at some other frequency. The two particles pass through the Fourth

Dimension at different velocities. "Having this idea in mind, I constructed that elec-

trical machinery which you see attached to the bottom of the plane, between the wheels. That is the real time machine, and it does nothing more nor less than so after the period of vibration of the protons and electrons composing the plane, its occupant, and the time machine itself, that their rate of progress through the Fourth Dimension can be controlled at will; that is, the plane can be made to occupy different moments of 'time' at the desire of the operator. There! That's the whole lone and short of it! The time-traveler sits in the cabin and starts the electric vibrator, regulates its frequency Fourth Dimension, from world-toint to world-noint, as he lists."

"For safety's sale. This time machine is also a bons fide airplane, and when traveling through 'time' it is high above ground. Just imagine the sad tale of the true-voyager who makes his journey on the serface of the ground, and upon halting his machine finds hunself enclosed in a solid mountain, or resting on the waves of a mighty sea! No-the safest course is to be un in the air when time-traveling, so that upon arriving at one's destination one can move about as one desires, without fear of drowning or being crushed under tons of rock,"

"But why attach the machine to an airplane?" I

For a while we sat and stared at the plane. Then "Did you ever travel in 'time' with it. Brockhurst?"

I stooped and slared at him.

"Yet you seem pretty all-fired sure it will work. How do you know it will? Your mathematics may tell you it'll work all right, but will it?" It will," Brockburst assured me, "I know, I made

I'm not quite sure in which direction-future or pastit went." "Are you ever going time traveling with this thing?" I inquired, designating the time machine.

"I certainly am?" was the immediate reply. "Tomorrow morning at 9:30 A. M. I set forth into the Fourth Dimension, to take a peek at our little old earth of the "I will-and if it doesn't work, I'll yor the life out

of you-don't forest." And together we returned to the living room. clambered into the cabin of his airplane time ma

P ROMPTLY at 9:30 the next morning Brockhurst chine, closed the door, and moved his hand to the con-

trols. In a minute he was taxying swiftly across the open field behind his house, soon-rising into the quiet air and heading enstward. He spirated up to about a of electron-tubes in the time machine on the craft's bottom flash into light. For a while they glowed brightly as the plane droped along its circular path overhead; but presently I saw that their light was dirming, and that screetling was

happening to the plane. The throbbing your of its engise was becoming duller-and then before my very eves the craft even indistinct and vanished, dissolving into nothingness, like the forment of a dream! Yet even as the ship disappeared in the empty sky, I

heard behind me the sound of a wheeled which racing over the ground; and spinging on my heel I beheld in unutterable amazement, Brockhurst's time-machine roll to a halt a few paces distant? But now it the same craft? I neered at it more intently. Yes, it was-no. it was not? Still-! By heaven, it sous at that! Worn stained, coated with the gray, impalpable dust of countless centuries, braced and bound together by metal strips that it might not fall spart, still it was the same. In spite of its vastly changed appearance, some inner To corroborate my inward assurance, the glass door

of the cabin opened, and out clambered-Brockhurst But how changed! Whereas a few minutes before he had been in both spirits, nearly purbed and clean, nonhis clothing hang in tatters from a bruised, scarred body, covered with red welts and blood-crusted scretches. His face was pale and distraught, smeared with dest and grime, while his hair hone in tangled masses down over his eyes. "Hullo!" he greated me as he emerged from the olone. "Still here, buh? I didn't miscalculate any then Come into the but. Let's est. I'm as hungry as a wolf."

First I only gawked at him like a stilly fool, Finally I found my powers of speech. "But-but-" I stuttered in other confusion, "We've just And breakfast, Brockhurst-half an hour ago or so! Say-what's hannesed to you arrayay? Didn't the experiment He halted to stare at me, a funny little smile curling

"Sure it worked! I'm just coming back from my "But-but hell!" I protested, "You just left-not two

Brockhurst sat down suddenly on the ground and commenced to rose. "You ought to see the look on your

face!" he gasped at last. "Honest, you look so fishbereasted-t" Anew he broke into leachter "I don't mind admitting I am flabburguated." I rejoined dryly, greatly relieved to see that Brockhurst's

injuries were not serious and evidently had not affected his spirit. "If you'd be kind enough to explain," I continued. "nossible my hearliferment would be sterewhat Rather wealdy Brockhurst rose from the ground.

He nodded. "Let's go in-I'll tell you all about it," he offered. "Yes I know I storted my trip into the future only a few minutes ago. I saw myself leave. You see I returned from my time-woyage a few seconds before I began it. Barely had I stopped the time machine and of a million years; and I spent a whole night and nearly We were now in his kitchen, where he slumped

wearily into a chair, while I began to prepare a substan-

"The fact that I had nothing to eat during those twenty or twenty-one hours I spent there is what makes me so damn ravenous now. Make it a little anappy, will you olease?" This from Brockharst, of course, "Keep your shirt on, keep your shirt on," I soothed "Your grob's coming along now Go and wash up a little-take a shower-you're positively filthy. Haven't they any baths in the year 1,001,930 A.D.3 And put

some mercurochrome on those cuts-or iodine, or peroxide, or something."

Obediently Brockhurst half stumbled into the bathroom, whence I soon heard the rush of water issuing Presently my friend's snorting and blowing became dimly sudible through the heavy door, and when, five minutes later, he emerged clad in a heavy hath robe, he was to all appearances a new-made man-fresh, cleanshaven, and humorous; my cental bost of the earlier hours of the day, prior to the commencement of his time journey

kitchen table where he fell avidly to it while I, unable to resist the temptation to join him, sat down to coffee Eating was serious business to Brockburst, leving

claim to all his attention; so be did not speak until he had finally shoved away his plate and set back in his chair, accepting the cigarette I proffered. "Well," he berso then, after a good puff, "I presume

you're waiting for my story."

I nodded. "Start from the beginning." "Very well, then-here roca!

I shall try here to repeat his tale as accurately and as nearly as possible in his own words, thus employing cumbersome and useless. I shall, with my reader's kind indulgence, omit quotation marks. However, partly befound it necessary to revise Brockhurst's original rhetoric in order to make the narrative suitable for publication, I must warn the reader that this rendition is ant to be somewhat colored by my own style of extression. I am confident, though, that my reader will pardon this slight deviation from the original form. This,

of Grace, 1,001,930; As the solid earth of my private funding-field sloped away recidly below me, swinging around in a mighty circle as my plane spiraled upward into the midmorning air, I must confess that all varieties of strange doubts assailed me concerning the uncaralleled venture upon which I was embarking. Was it not, I questioned myself, the height of folly thus to tamper with the inthrough the coming centuries to a period wet unconceived, with conditions still unconsectured? After allwould the experiment prove successful? To be sure. I had sent a small model of my time machine into the

Fourth Dimension; but so paradoxical, so grotesque, so ungeal did the entire matter amount that my reason refused to accept the testimony of mathematics and experiment. And granting that success did attend my barrhrained undertricing, what circumstances, what occurrences awaited me in the distant cost I was setting

Might I not come to a period where human life was impossible on the world? Or might I not enter an era when humanity was subjursted by some mirbiler type of life? Might not I perish in the course of my time-

I ever return to the present? I had already closed the switch that started the timethese various opestions arey upon my mind that I was

sorely tempted to open the circuit again and abstylu -Yez, as my hand lineered on the inaufated handle of the switch my eye caught something in the serene blue beavers to my left. I looked. First only a dim, indistiner blur was discernible; but swiftly it materialized into a definite, concrete shape-it was an airplane, and between its landing-wheels I descried a compact machine, which ewn at that distance. I recognized as a time-machine. My time-machine, attached to the very plane in which even now I rode! Evidently, then, I hade-for had I not just som mytelf return out of the Fourth Dimension, and commence to glide down toward

my own house? That decided me. All my dechts were answered and allayed. All would be well. So I turned the dial that

regulated the atlantory rate of the time machine and swiftly into the Future. Paradoxical? I should say! I had seen myself return from my time-trip before I bad started it; had I

not som that return I would not have commenced that strange lourney, and so could not have returned in order to induce me to decide that I would make the When the time machine beneath the fuselage of my

plane was fairly in action the world that ky below became a blurred mass of ever-changing shades. The surface of the ground beneath me heaved and swelled like a stormy sea as with the pessing conturies its level rose and fell. Gray and allent. Her the spectres of longdead worlds and civilizations, towering buildings flushed into and out of existence! Mighty cities spread and dwindled like fog before the sun. Forests and lakes, rivers and hills flitted through Time below me. momentary landmarks in the course of the ages, that were rushing by my plane. Outside my machine, time

craft it massed as normally as ever. There was no distinction between day and night Overhead stretched a deep blue base, through which a broad, silver-sold band marked the prorrop of the sun. But the most fascination thing to me was to watch the neurrus of the stars. At the speed with which I was shooting through the fourth dimension they showed as fine after lines circling, curling, spitaling and streaking

through the blue skire maintained this rate of massage along the fourth dimension; then at learth I determined to halt my machine Before the start of my journey I had set my sutomatic controls to stop after the ressare of one million astronomical years, and as the figures on my dista neared this number I commenced to decrease the vitra-

headlong flight through time, until, when my instruments registered the passing of one million years. I threw open the switch and came to a half in the fourth dimension-or to be more precise, reduced my velocity through it to that with which you are moving through it. Then I gazed out of the plane to see what appearance was presented by the world of 1,001,930 A. D. And what a scene I looked upon?

Fading away to the horizon on every hand stretched bling red cliffs lay on the northern edge of the world. forming a untural barrier between earth and sky. Between me and the distant cliffs the sandy plain was dotted with immense green things of globular appearance, which I took to be plants of some nature. This Then as my craft circled around to head south my

below and before me, its hither edge not more than a sille distant, surreplied a market city of titank, blue stone structures! Grim and massive, like medieval feudol castles, save that they were more somet and solid silent and sombre in the bloody glow of the dwing sun. No sign of life could I detect in their vicinity-no hurrying throngs, no wise of smoke, no sound of traffic or Shutting off the motor of my plane, I descended to-

ward the city in a long, gentle glide, intently studying the city had long been forsaken and crumbling into ades, possibly for centuries, few if any living beings had occupied that once mighty center of a variable civilization. Then I slightly drew back the control rod of my plane, the wheels burned once or twice over the soud, and I rolled to a stop about a hundred yards from

Tentatively I polosi my head out of my cabin and sniffed. The air, though a trifle thinner than in the twentieth century, was of a very exhibitating quality, which led me to presume that it possibly corrained an excess percentage of oxygen. I could see no form of life about me with the exception of the immense, hall-

alasted plants, so I attraced out upon the level word to meditate upon a course of procedure. Now that I was here in the year 1,001,930, what was to be done? The air of mystery-of incredibly ancient mysterywhich prevailed over the enormous city at my side exctured me, so I had little to ponder concerning my immediate course of action. The city stood there awaiting me, and it would be silly to neglect the opportunity to explore it.

Accordingly, closing the door of the airplane califn behind me, I set out to investigate the silent, ominant ruins that brooded on the desert before me. On my way, I took occasion to give more eareful attention to the scattered globular plants that grew out of the sandy earth. They were, as I believe I have already mentioned, a very dark green in color, enormous in size, delicate pink tentacles that were apparently roots, for they extended into the soil. I observed that the great riobes themselves did not rest upon the erected, but were stationed about two or three feet above it, seemmely supported by the countless dozens of pink roots It appeared ridiculous, however, to imagine that those fruit, siender, supple tentaties could possibly support those gigantic globes, so I perforce surmised that the globes themselves were hollow and filled with some highter-than-air gas-being, in fact, natural hellocus

anchored by the pink roots. That this supposition was My walk to the city was leisurely and somewhat cantious; I always remained in a direct line with my plant that I might flee to it in the event of necessity, for the crumbling city, still I did not blind myself to the fact that there sens a chance that it was inhabited by creatures who might entertain hostile intentions toward me

eyes discovered the most interesting thing of all-there As I have already stated, at the time of my arrival the sun hanging upon the lip of the western horizon When I was still some fifty feet from the nearest atrucbure-a gigastic, cubicular affair topped by several flatpurped round source-the last rays of the Day Star faded away altogether, leaving the world in a twilight that swiftly grew into dusk, At this I helted to reconsider my intention of explor-

ing the ancient city. My corresity concerning it sawred in me a desire to examine it by torchhisht, if necessary, while common sense urged one to refrain from foolish stood thus deliberation. I suddenly felt a soft, excession touch upon the back of my neck-and then another With a start I spun around, facing my plans-only

to stagger back in amazement at what I beheld, Hanging low in the evening air behind and above me was one of the monstrous, globular plants, a mighty dark green ball fully eighteen feet in diameter! Hundreds of its slender, pink, whip-like lashes dangled from its while from among them a long, simous oreen trunk extended from the gas-distended globe to the level sand. mouth that evidently acted as a natural vacuum-cup to anchor the floating plant to the ground!

A dozen thin pink "roots" uncarled and stretched out toward me, and again I felt their questioning caress on throat, creek and brow. A qualm of nausea, of unutterable lostlying, swept over me; then with a low, inarticulate cry I dodged aside to flee-

But ere I had taken a step the floating plant whoped toward me upon its sinuous trunk, and of a sudden I was inextricably entangled in all the hundreds of its disgusting, writhing, snake-like whiplashes-some no

thicker than a needle, others more than an inch in diameter and possessed of a strength comparable to Lile a babe in the arms of a strong man I was lifted high into the sir by the monstrous, malienant plant, my gigantic, souliess captor, shouting, biting, wriggling, me nothing save to exhaust me and enmesh me the more cars showed on my skin where the rope-like arms of the great plant had squeezed and torn my body. Tornves-torn! Several of the tentacles, that strange fight broght me, had fine, needle-like smikes near their ends.

which scratched and cut me in dozens of places! the ground and was slowly floating upward, while dogons of small, sucking mouths attached themselves to

the open wounds of my body, to draw in the life-blood

A group of diamay broke from me. Was thir to be my fate-to die out here in this man-forsaken era. beneath the sucking lips of a vampire that belonged to the realms of hell? No-no! I couldn't due that way. Somewhere I had a large-binded pocket-knife in my possession; if only I could get it-!

Anew I began to fight and struggle, my hand working gradually toward my right hip pocket. The beastplant that hold me constricted its powerful arms, crushing try ribs together and wrapping a cholsing tentacle head commenced to reel; my vision became blurred and

misty; my eyes watered profusely. Lord! I couldn't

Somehow my fingers gripped the knife that lay in my pocker; with one band I opened both its blades, and yielding surfaces, and presently the pressure of the entangling lookes began to lessen. At last my right sciousness when my knife at length found the circless tentacle which was throttling the life from me and commenced to saw upon it. Luckily the strand was a sundered and the deadly pressure assists my throat was relieved. Unwrapping the coiled arm of the plant from about my neck I flung it away, to return then to severing the remander of the writhing lashes. After what seemed hours of frantic slashing, the strongest of them were cut through, while the lesser of them

breaking loose Released of their tight clutch I strood downward through the writing not and plunged During the course of my acrial battle with it, the flying plant had floated a number of yards eastward.

ascending to an altitude of eighteen or twenty feet. My drop of some twelve feet to the smooth, racked sand underfoot bad considerably shaken and bruised me, knyine me trembling and exhausted as I lay half dead upon the ground. My teeth chattered in my shuddering, as I thought, with cold sweat exuding from every pore of my body, of the grisly fate that I had

When I had slightly recovered my breath and strength I gressed my knife and staggered eiddaly to my fact. Then I turned to the time machine resting Bet I had not taken two steps in its direction when

cipitately to the shelter of the nearest organ building that fromed ominously out of the eathering elecen Here I stumbled up a low sents of steps and planged through a rectargular, crumbling stone aperture that gave entrance to the structure. Within, I found myself in a long, dust-covered corridor, ditaly lighted by a row of small, grimy, luminous glass globes. That the place to by the cracked walls, the many broken Birhts, and

I halted, my heart lessing. Clustered around the plane. their long, pink, make-like testacles running inquisi-

tively over it from end to end, were fully a dozen of the titanic globular plants. Others hung in the air

over it, or between me and the clane, while several were drifting slowly toward me 1 I shouted hoursely, then turned about and fied pre-

the gray dust that by inch-thick upon the mayon floor. Turning into the first doorway at my left I entered a dimiy-lighted rectangular room of sizable dimensions. sparsely furnished with an agr-old table and a few chairs, while against one wall stood a low, broad couch offed with ancient cloths. Apparently in some lowone

day this had been the apartment of some long-dead inhabitant of this desolate, decaying city. In the pearest chair I got down to speculate. The situation in which I found myself certainly was not an enviable one. I was without food or drink in a worldold rain of rains where there possibly existed not a single drop of water or a crumb of bread. Weapons

I had none save my puny pocket-knife, and surrounding the city on every hand were countless hundreds of immerse, formidable varnoire-plants, any one of which stood an excellent chance of bringing about my doors, My precious time machine was effectively guarded by those enormous flying heart-plants, so I had practically

Yet-I mould escape with it, for all that. It was on decreed. Had I not, with my own eyes, seen myself

appear out of the fourth dimension tack there in the Twentieth Century, and gilde down to my landingfield? Surely then, I may destined to return to my own age safe and sound. Just then my ears caught a soit, stealthy sound

behind me, like the trend of a padded foot. With thuspine heart I spun around in my choir, my imagenation picturing woird and terrible creatures creeouse upon me from behind. But the very fact that my eyes awaited some amazinely unusual entity, some awful thing of monstrous form, caused me to be only the -it was a man. Yet so incongrueus, so utterly foreign did the familiar and commonplace seem in this his presence to some trick of my own imprination. However, despite all that, he was real,

Old and wrinkled, toothless and hald be was, with a coffee-brown skin whose texture suggested leather-He stood about five feet nine in height, clad in a simple white cloth tunic lashed about his waist by a broad belt

from which depended two pockets, one at each hip. The one contained a lone know, the other a contrivance that appeared to be some form of revolver. A misute nessed during which the strange men and I regarded each other in silence. Then he spoke-in a tongue that despite its odd accent and unfamiliar pro-"I'll try," I assured him, and for a long time we

ispsed into silence.

"Where-where am I?" I finally inquired. "What city is this, and to whom does it belong? How old "This is the city of Kur," responded the Last Man, drawing up a second chair and dropping into it. "It is a remnant of the Last Civilization, which began about six hundred thousand years ago and reached its hev-

day around \$50,000 A. D. A hundred and fifty thou-sand years later, at about 700,000 A. D., it began to decline, and by 900,000 A. D. it was almost completely wiped out. It destroyed itself as all its predecessors the prehistoric civilizations, destroyed themselves. Greed

and avarice, last for power, oppression of the weak and and over again. They rise, they flourish, and they fall "When the ware and revolutions had blotted out colture, art, and science, the secoles of the earth were reduced to the asymptry from which they had accumpand then it was the advest of the Martina varngire-plant that completed the chastly story by killing off the ignor-

rant, unprotected barbarrans who once had been the Lords of the Earth. In the last hundred thousand years the tell of human lives taken by flying plants was so energous that the percetuition of the race was placed hopelessly isto the shadow. Now you see the result-1 am the Last Man. Up to sixty years are there still remained three or four of us, but the others, too, died of old age or were captured unawares by the floating plants

and killed." "The flying plants-they are of Martian origin?" I saked. The Last Man nodded in reply. "I have had an unpleasant experience with one myself."

I went on; "I gother from their appearance that then are bollow and filled with a lighter-than-air gas." "Oute so," serreed the Last Man with a ned. "They

the water-vapor in the air and also from the monstere in the ground. It is their presence which has made a desert of our world. Even our occass are fast receding

before them. In a hundred thousand more years there will be no more water on Earth. They are transforming our entire planet so a west desert, just as they have transformed Mars to a desert. The gignatic waterways built on their planet by the ancient Martians are covered with large swarms of these plants, seeking to drain up the last few drops of water so that the hydropen may be extracted and stored in their hollow horlies. For the some reason they attack assembly as other elects one

tairing water-to suck forth the liquid, expel the opvere and retain the hydrogen that they may float around more. I wonder to what purpose all their mad blood-greed is. It seems to me that their existence must be as similess as was that of Man."

"Evidently the fact that you are the Last Man has placed you in a position to judge your species," said I,

"knowing the faults and focish deeds of your ances-

The Last May smirked. "And having nothing to look forward to," he rejoined "When I am dead-then what? The human race has come and gone, with nothing to look forward to," he rejoined. "When I am deadthen what? The human race has come and gone, with nothing to mark its one-time elory, its might, and its

"Are you Anton Brockhurst?" were the old fellow's opening words. At that I almost sat down on the floor. "What?" I cried in otter amazement "Are you Apton Brockhurst?" he repeated. "You

must be My history tells me that there was but one man alive on earth when Anton Brockhurst came cut of the cost in his time machine. I am the last most

Therefore you must be Brockhurst! Honestly, you could have longked me over with a anciese one's words leave me that I could but atsed and

gape at him in thunder-stricken silence. I was gasping ike a fah out of the water as I slowly guthered my with to reply to the old man's speech. At last I was able

"What-what-how . . . Yes, I say Anton Brockhurst, but how do you know my name?" I stammered.

"Have-have we met before? I-I'm afraid I can't place you." Irongine me ismine such ridiculous not to a man who

lives a million years after us! The old fellow smiled at my evident perplexity. "I thought so-I knew so," he said. "When I was not yet the last human being on earth I learned from

my history tablets, which were written about five hundred thousand years soo, that one Anton Breekburst, a native of the year 1930 A. D., built a time machine with which he traveled a million years into the future where he found the Last Man. The Last Man, desiring to see others of his kind before he died, prevailed stoon Brockburst to return with him, in the time machine, into the Past-to the year 502,101 A. D. where the machine's arrival was duly recorded in the histories When the Last Man was been, half a mil-

lion years later, he read those histories, and thus he knows now that his rescuer is nossed Brockharst. All Sitting weakly on my chair, I needed. My mind of time-traveling. Here this man but learned my name

a million years before his birth, and yet that future of his could not have been written into the histories of 502 101 A. D. if it had not first occurred! Tiredly I shook my head; the riddle was ton deen

"But-but," said I at length, "I don't know if I can take you with me into the Past. My time machine is "But you ment take me with you! You will take me with you! I know it! You carnot desert me here.

in this God-forsaken, manless age! Tell me, tell me that you will take me with you?" "Well. I'll see what I can do." I received frankly. I don't see how I'm order to do it." "But you will find a way. The history books say

that I shid come to the year 502.101. I wore to see other humans once more before I die For nearly sixty years I have been the last representative of our kind on the earth. Yes, you must find a way."

masonry that soon will follow their builders to the primal dust whence they came! Were you a woman, there might yet be a glimmer of hope; but you are a man." "And sled of 'i!" I thought.

"And glod of it!" I throught.

Alored I turned the conversation again upon the flying
plants.
"You say that these vampire-plants came from the

planet Mars. How did that ever happen?"

"All I it is suspected that they were deliberately heought to this world during the last Martio-Tellestan war, in 200,000 AD. by the invading firstle from the red planet! Was ever a more bellish plot econolwed! Knowing that our entire chilitation, colume and progeries depended upon that most precious element, water, the Martins Arought along young wannie-weeks from

their world and released them upon our own! where world in the released them upon our own! I be a proper to be a proper to be a fine of the proper to be a fine to be a fine of the proper to be a fine to be a fine of the proper to be a fine to be a fine to be a fine of the proper to be a fine to be a fine of the proper to be a fine to be a fine of the proper to be a fine

and decayed before the radimentary intelligence, or insanct, of the varreite-plants? It did not reply, for this sopie of the downfall of man had become most distanted to me, so we sat in sitence for a time. Then the old fellow asked sudderly, "When

"And tomorrow you will take me with you into the past?"

The cld fellow's persistence irritated me. Why couldn't be wait ustill morning, when I would be in a better condition to third it over? So rather tarthy I an-

tetter consists in the six over? So rather tartly I answered:
"I really don't see how I can do it! Frankly, it's impossible!"
The Last Man said no more, and presently we fell

asteep—at least, I did.

A LREADY the sun stood well up over the eastern
horizon when my lide slowly opened. I turned my
head to see whether the Last Man sell slept but found
that he had appraently already risen.

But the old man was not to be seen in the corridor outside the darmher. So, bursting to my right I samtered along the pillery to the rectangular entrance way, and here ghenced conclounly about in the vicinity of the structure. Nothing stirred. Casting my eyes toward the time madrine, which reneal on the sand a hundred yards to my right, I brield a sight that made my bear jump. Seattered on the desert

that opened to the corridor intending to inquire of my attracte host whether one mints have water wherewith

to cleanse oneself and whether anything edible was to be

had in the ancient city of Kur.

on the stud a handerd syntia to my right, I beliefs on the stud a handerd syntia to my right, I beliefs sight that made my bent jump. Soutcord on the deser around the place were a doesn or more great, tern, leaf; the thange that I saw were exploded vampine-plane, while a number of others howered in the sit, surround, which is a manufacture of the southern than the same what is a study of the south product of the same what is a train sook, just as a sty halloon does when undeathy product by a pin. I am quite sure now that I story what example the plant's explosion. It was the sun-time when the same surround the plant's explosion.

light. Under the prowing had of the surk may be hydrogen gas, so greatly expended within the membraneous, globular bog that family the thin skin was unsole to reside the functioning gas pressure and lawdo open. The horntling plants sentire that the seeds of control of the control of the control open and the control open dark plants and the control open dark plants are supported by the co

the aight of the Last Man standing beads the time machine, his revolver-like instrument gittering in his hand. The door of the plane's cabin yawned open, and from the looks of things he had been minutely inspecting the eraft.

I shouted at him and waved my arm, at the same time

breaking into a run toward him. He abot a hasty glusse in my direction (then in rapid succession five flashes of red dame again from his gan, and as each abot a hovering sumpriseptent vanished in a thunderous explosion of yellow five. In a trice only a few flaske of blackmed ask were suitfully through the sir where previously had bung the grins, fyrng plants.

The bax of them had hardly discovered when the Land Man debed in the dual side of them, attending that does belief the Proposition of the Control of the Con

and an inspermitive call fee him to halt, to return. But I confut whether he even heard not. A mirrote later, with mixing heart, I watched the machine become a mixty blur to the liber skins overhead and wanth into Time! With old a low ground I shamped limply to the desert sands and

that he had apparently already rison.

String up, I stretched and yound and rubbed the damker out of my eyes. Then I rose in my feet and stander out of my eyes. Then I rose in my feet and rosed in Time, in a distint age of the feature, which conveys man of trutturing to my own eye, stranded in a world

least alightly mitigated by the consolation of knowing that there was another human being nearby, but so be planet-was almost more than I could bear Wearily I raised my hand, rose to my feet and walked unsteadily toward the crumbling city of Rur. I did not know whither I was going, neither did I care. Bitter

self-reproach filled my mind. I should have peomised the Last Man that I would return to the past with him; then he would not have stolen the machine! What a fool I had been in the first place even to think about time traveline! What a misguided ass I had been to start out on this accurred, have-brained adventure! Why, oh, why had I not obeyed the impulse to remain in my own time? But then-I had seen that time machine appear suddenly out of the sky, back in the year 1930, so it seemed that I use going to return. Yet-acus I? Perhans my cyts had played me false; perhaps it was not my time machine from some wise of mist that had at first rendered it so invented a device whereby to produce invisibility, and craft myistble. What I had taken to be my time machine had rephably really been this muchine coming out of its state of invisibility. Or possibly it had been my time

machine which I had seen, but with the Lost Man at the controls instead of me! No matter which of these possibilities was the true one, the fact remained that my deplorable position was in nowise remedied by this fruitless conjecture. The only thing for me to do in this and situation was to make it as

bearable as I might. Utterly crushed and descendent, I wandered lone through the empty, cracked stone avenues of Kur, my footfalls ringing hollowly-mockingly-as I stumbled

blindly along my purposaless routs.

Thus it was by pure accident that I meandered into an immense, tottering structure that reared ponderous and mile or so from the soot where on the previous evening my time machine had landed. From the various features lobby of the hudding, it was opensibly some sort of exhibition palace or museum. Orderly rows of large eless cases stretched away from the central lobby, covered with strange and interesting relics of the Last Civilization. To a small extent, these wonderful displays served to assuage the despair that gripped me; but though I attempted to interest myself in the strange, silent machines that filled the glass cases of the nearest row, I was unable to discover anything of their purpose, since their con-struction was beyond me and I could not read the odd

characters of the printed placards posted in the cases. Slowly I moved along the row of glass cases, many of which were in a serious stage of disrepair, with their fragments of glass and other debris littering the floor before them. Stirred up by my feet, the impalpable dust of long-dead centuries rose in a thick, choking cloud,

When I came to the last great case in the row, not far from a rotting archway that opened upon a cerecious stone court. I checked my progress to stare first in momemory interest, then in incredulous asterishment, and finally in doubting puzzlement, at the single exhibit that renosed within the gisse-sided case Could it restly be-? No-no! That was impos-

sible! Ridiculous! Absord! But will- Promine. I stared at the thing in the box-silent, motionless, dustcovered and beaced with metal bands to prevent it from felling sport-but despite my incredigity I saw that it was really what I thought it to be; there was my own time machine! The very plane with which I had come to this int-off age-the very machine that had spanned a million years of time-the very machine with which the Last Man had vanished into the Fourth Dimension not more than an hour before!

So dumbfounded did the cognizance of this truth leave me that I suddenly sat right down in the inch-thick dust that carneted the floor, blinking with anseeing eyes at the

How, in the name of all that was hely, did that time machine set there? Through what queer freak of time had it returned to 1,001,930 A.D. when I had seen it vanish into thin sir but an hour earlier? For five long minutes my very amazement kept me from grasping the obvious truth. But at last I saw Eght. Of course-that was how it worked!

When the brown-skinned Last Man had clambered into the plane that morning after ismiliarizing himself with its controls, he had flown back to the year 502 101 A.D. just as the history books written at that time had taught and the time machine, for some reason or other, had been placed in this stuteum, to be found by its own builder half a million years later!

Of course that elucidated the entire affair! But my saind whirled so it erappled with the new paradoxes that attended this explanation. It means that during the preceding night the same fine muchine had been in face difin a new, spick-and-span condition while in the other place, half a mile distant, it had been a machine so incredibly ancient that only the metal hands amend a served to hold it together! This architic marking had been standing in this case for countless centuries. All out of the past, that he might appropriate my machine. that very same instrument of escape from his con had been standing quietly in its case, only half a mile away! It had been waiting there before it arrived there, yet it could not have waited there if it had not arrived there first! What would have occurred, I wondered, if the Last Man bad returned to 502,101 A.D. with the machine that already stood there in that case? But he couldn't have done that, for then he would have been taking the time machine out of its location long before it arrived at that location, and L after arriving in 1,001,930, would have returned to 1930 with the original, new machine; back to 502,101 A.D., where it could be put into a museum case for the Last Man to find. My beain recled properly

at this tangle of contradicting facts and common sense,

At length a doubt crept into my mind among my mus-

I rose and kirked at the glass wall of the case, shattering it into a thousand fragments. Then I stepped into the case and carefully examined the place and the time machine. The first glance into the cabin assured me that metal-work within the cabin I found my own name and the serial number I personally had put there.

that both were fearfully dry and in need of oil. Therethe case and upon the stone courtward outside. Returning then to the museum, I searched about for three long gasoline, water, grease, and alcohol. These containers I opened with the tools that I found still in their proper place in the time machine. It took me nearly the whole afternoon to get the motor of the plane and the time machine into working order, but at last the task was and was soon skimming across the stone courtyard of the blue firmament. The plane was in anything but perfect condition, but it satisfied its purpose.

manipulated the controls of the time machine until in a

that I was coming close to 1930 A.D., so I commenced to decelerate my backward flight along the Fourth Dimension more and more, until at last, when my instruments down to the welcoming field behind my home. with say time machine attached to it. A moment it swung weird, paradoxical voyage from which I had just re-

Paradoxical? My dear fellow, the Einstein Theory is full of annarent paradoxes, yet to him who understands it there is no inconsistency whatever. Give me another eigarette, will you, Frank?

## What Do You Know?

READERS of Assatus Streets have frequently commerced upon the fact there is not extend knowledge. It is beginned through sociality in pages than from empty a super-book. Moreover, notes of the succlear or worker as a postlar wide, making the possible for anyone to group respective facts.

The post if you can appear the command would be about the control of the form of the control of the control of the form of the control of the control of the control of the form of the form of the control of the form of the form of the control of the form of the

- What was the first steam engine recorded in history? (See page 800.) 2 What very modern steam engine is of the type of the first one of many contains ago? (See page 800.)
- 3 Was statestchere presure ever used to actuate as
- 4. What was Watt's great investion? (See page 809) 5. What is the central statement of the second law of
- 6 If a reaction driven airship had to discharge pro-jection or their segurator from her bown, what could the do to manuals her speed? (See page 876.) How could an opaque blade object in space be de-tected by the telescope?. (See page 877.)
- 8. Can you describe the relations of the cycles of animal 9. What are the names of the satellites of Mars? (See
- 10. Where does the rearce moon set on Mars? (See page 882.)
- 11. What character of stores do automoustry believe they are upon Mars? (See mars 890.) 12. What placet can claim the earth as its marrest point-
- \$3. What is the composition of the air? (See page 948)
- 34. What might be the effect upon the composition of the air of covering the earth's surface with buildings.

#### "Television Hill"

A new serial

George McLociard

loos up gand drift, Min Hiesen, pinner. And they derived preferred, and own man pills are granten medium of the preferred was a second of the preferred with the property of t

The clips were nothing more than small strips of metal half an inch long and a quarter of an inch wide with a sharp projection at either end. They were fastened in the skin by bending with a pair of metal tweezers and held the cut edges together in much the same manner that similar twee of maner dies held shorts of succes-

together.
"Dr. Aquino, I think you had better apply a cast. I am sorry I cannot remain to assist you, but I have an appointment for a consultation at eleven o'clock." And

Dr. Evans took his departure.

The east was applied, and as Van Puyster was taken to the surgish ward of the hospital, the eages, still under anesthesis, was turned over to the prison officials.

Two weeks later and the arm was healing rapidly.

Two years later and consplere sensation had returned.

Pive years here and the black hard was painting materiated, and the prison of the

# CASE REPORT OF PATIENT NO. 5026. By Dr. J. Roy Horkers AT the September meeting of the Shelby Country Psychiatric Association I nove a perliminary

A Psychiatric Association I gave a perliminary report of a case which I believe to be unique in the areas of modern psychiatry. As that report was made detailed account of the case, with his necret developments, and for the benefit of those of you who were not in attendance at that pressing or easy have foeption some of the details, I will consider the case from the line the pattent was administed in the Psychoganic

Integrals, y. H. V. P., a native born American of Dandin English enempts, gas 46s, memorited, white male and English enempts, gas 46s, memorited, white male was solution to the receiving ward of the Psychopoticil-Exportal, July 28, 1941. He was committed to this issolution by Judge Lyrods, of the Steft Justicial Datrict, as the jury half found him imnew when on relial few as the jury half to the proper of the psychological profamily, blue only life was normal, with the exception of a rather vision temper. In his youth he took up art and was repolly on the road to fune when an accdent depicted all on the largifiet arm. He featurantly

grating operation. It may be well to intend here the term was relies from a conformed rego original that the was relied from a conformed proper original plates that ever, but some of their bordered on the intensivia. At this time the formed loops to reside the same of the same of the contract of the charged the sages weller who had been intended the sages well well as the contract of the contrac

thering the right, and on several occasions by was known to have stuped away from bone for an may as three days as a time and to have returned at the one of that period width his driven embeyantered and toes of the period width his driven embeyantered may be assisted that offices events, occasion. But man also stated that offices events, occasion, this man also stated that offices events, occasion, the contraction of the contraction of the contraction of the matter returned with Bood on his clother, that the new value made his raport to the chief of polers. The satistic being questioned, resoldly admitted his quilt not occasion the man of the contraction of the contraction of the terms of the contraction of the contraction of the contraction of the occasion of the contraction of the contraction of the contraction of the occasion of the contraction of the contraction of the contraction of the occasion of the contraction of the co

When the patient was first seen he was nervous and intentable end had a habit of opening and electricity, biright hand, which was glowed. He appeared pool mentioned and his face conveyed the impression of on who was constantly besigned by Influentations. Other has this he resumed to be an average man. He is clinical partner presented anothing of interest and will not be discussed here.

When the negro porter brought him his baggage
y there was another near homicide committed, and but for
y the immediate intervention of several white attendants
the assunt would probably have terminated fatally.

His condition gover myldly worse and the hallocinations increased in distinctness and duration, frequently

occurring in the day time. One of his commonest farcient was that he was being pursued by a negro, who was attempting to cut off his sam. This type of abservation in very typical of his kind of insusiny. He grew more morous and softrary and under no conditions would he permut an attendant to remove his glove.

In view of the preceding fracts, a diagnosis of pear-

ness was made, and at this time it was supported this his right arm gain be ampetanted, this time above the region of the graft. However, before this was accompliphased be was found dead in his cell, having bled to death from a self-inflicted wound which had severed bir right radial artery. Summary: A policet with a negative psychiatric history become criminally insure following a gart of a

art and was rapidly on the road to fame when an ancicuted operated him of his right arm. He fortunant, per size of the state of the s

Tun Ex

# Drums of Tapajos

By Capt. S. P. Meek, U. S. A.

#### What Went Before

Amount of the best of the state of the state

COLUMN V

#### The Adoration of the Golden Calf

T was a great relief to leave that place of horror and to return again to the beautiful regions of the blue city. The luxury and high degree of civilization that existed there formed a strange contrast to the burbarism and state of mera-lawrry that we had juit witnessed. I expressed as much to

"Brether Duncan," he replied, "I can appreciate ye feelings very fully, for at times I have felt as you to feel. It is, even now, a matter of great grie 50 me to most of the brethren of the blue degree that such taste of affairs must exist. Many attempts have be made in the past to alleviate the condition of the Beam

Part III



of Burdens, but they have been absence. As a race, they do not have the adaptability, mental capacity, or moral integrity that is exacutal to the preservation of a high degree of civilization. "In the past they have been allowed to increase their

numbers and to live is a state of independence much greater than they now enjoy, but each bean that this is dane they have tried to pressure upon their gravileges before they were ask to enjoy them and twoic most bistory they have threatened the entire downfall of counciditation and the loss of our contine tore of accounidated most edge. Only by the use of brute force have they been subtlend.

"These times were before my birth and I have only our written records to judge by, but what I have sold you I have gained by close and careful study. It is our hope esentially, by selective breeding, to improve



which may tend to somewhat after your present natural We recovered the exples by the dang theories which

"Brother Nankivell," he said, "Estha asked me to

perceeded downstairs to meet Nahum, but his first mee-"You have your automatics, of course?" he said as

"I appropriate your courtery" he reclied "but this is a time when they may well be worn. You will ob-

He drew aside his robe and showed us three short thick tubes depending from a belt worn under it.

"These are the nearest thing to pistols that we have

a potential of four million volts. Unfortunately they can give but one discharge and then they are uncless. borrow one of your vistols and have our mechanics conv

it, Meanwhile, I would advise you to return and arm

He exclained further when we returned armed, "It has been over a thousand years since internal dissension has threatened Troyana," he said, "but if it ever comes again, it will come on this particular night in preference to all others. On this night all of the Burdon number the bigher degrees by more than five to one. consequently we always go armed. If the Burden them in a few minutes by shutting off the air compets-

sors and consequently their ventilation, but toright they world not be applicable. This is the one great holiday

"If trouble developed, would Miss Estha be in any "No. I think not," replied Nahum, "but even if she were, there is nothing that I could do. She is the High ceremony of the Adoration. I also have a part in the ceremony which will prevent me from being with you, but I will put you in charge of some one who will ex-

We entered the underground auditorium and I paused up by a broad stage before which hung a golden curtuin. On the floor, directly before the curtain, was a section of sents expable of holding about three thousand persons. as well as I could indee. This was already filled when we came in with men and women attired in vellow robes marked with white embroidery. On each side of this section arranged somewhat like the house in a theatre. was a smaller section in which were seated wearers of the blue. A railing divided these sections from the balance of the room which constituted the main area. It would seat at least twenty-five thousand persons, I am sure. Tier on tier, the seats rose until they seemed endless and it was solidly filled with over someon and children attired in severely plain black cobes. Returns

the black section and the sections where sat the higher degrees, stood a line of guards, some Indian and some Craftsmen, officered by blue-clod Planners. A colorful splash of color was made by a group of about fifty persons, nearly all women and children, who wore robes

THE whole assembly was strangely silear. While those mast us sag in more or less relaxed attitudes, the tention that pervaled the black section could be the thousands of intently gazing eyes

Nalturn led us to seats in the blue section and left us for a moment, returning with the Pleaner whom we had met in the generator room that afternoon. "Brother Habbakuk has no part in the ceremonies that follow," he said, "and I have asked him to sit here

Habbakuk prested us countcously and Nahum departed for the regions behind the golden certain "Are you armed?" was his first question. We assured him that we were and he smiled in a an Adoration and I am, perhaps, unduly nervous," he

will be in Hebrew and Atlantean, with neither of which you are conversant."

rather share faced manner. "This is the first time that I have worn the blue at said. "At any rate, it will do you no harm to learn what to do should anything happen. Do you see that door-

way to the left of the curtain? That leads into a corridor on early side of which are elevators that lead into the sanctuary. They are of large capacity and are so out fear, close the door and ascend at full spend. Your action in leaving will, in itself, open another car for you are so see." As he parend, a deep sonorous voice sounded from

the air before us and he hastily motioned us to silence. I looked around for the source of the voice but could bolonk who pointed toward the stage. Before the curraised, speaking. He could not have been speaking loudly but his voice seemed to fiff the air and to come some sort of a microphonic transmitter before hanwhich was amplifying his voice so that it filled the huge

"The opening prayer to the God of Fire, whose son The effect of the rich sonorous voice rolling out its was impressive to the highest degree. As Zenhaniah

tailed the lights grew gradually dim and my attention was drawn to a bulliant point of light above his head which seemed to grow brighter and more intense and to extend until its radiance filled the whole amphithenter, His spice rolled on and on and it seemed to me that I was floating in the air and I was filled with a nameless feeling of ecstasy. Larger and larger grew the light noral it seemed to be pervading my entire being and I

radiance of light. Lighter and higher I grew Habbakuk pinched me shurply and I came to earth with a crash. He may the same treatment to Mariston of them had his eyes focussed on the point of light above Zenhaniah's head and an expression of rapture was on

Nankiwell's face. Willia was ortining like a patyr. pinched each of them sharply and they shook their heads glanced at the light and then looked meaningly away. I undentood his motion and seized Nankivell by the con and forcibly turned his head away. For perhaps five minutes longer Zephaniah's voice rolled on and then died away into quiet. Habbakuk shook his head sharply, "Hypnotism," he whispered. "I forgot to tell you not

to look at the light." As Zephaniah's voice died away I ventured to look again at the light and saw that it was coming through the rolden curtain. For a moment there was silence and by you and translate for your benefit, as the ceremonics then a sweet waiting as of wood-winds and stringed instruments pervaded the air. Louder and louder 2t grew curtain showered slightly and I saw that it was slowly dissolving into nothingness before my gaze and an inwas from a point on this image that the single light. which now flussinated the entire bridding, shone More and more transparent grew the curtain and pres-

ently it disappeared and the image stood plain before ma. It was that of a calf, monstrons and astanic, eight or its misahapen neck and the eyes were huge red stones on the forehead emanated the intensely healthour light

which had shoot through the curtain The air of sensuality pervading the music became more programmed and a slight seir west through the audience. The music ruse to a crescendo of harbaric passion and before the image appeared a figure, apparently materialising from thin air. I gaged and looked again. From the corner of my eye, I saw that Nankivell was shaking his bead and rubbing his eyes in a dazed manner. No wonder-for the figure before us was that of Estha; but not the Estha we thought we of her bearing and gone were the emorful robes in which we had seen her. Her long black hair was powdered with gold and hung free from a fillet, which sourkled and scintillated with the fire of a thomand gens. Showers of glittering points of light, which could and caught in a bunch before her. For the rest, she wore a girdle of fewels over her hips from which depended

strings of gents helf way to her feet and seweled anklets. him stoch. I had realized that Eaths was a beautiful sir! and a superb specimen of wumanhood, but I had not For a memoral she poised there and then as the muse grew more sensuous and languorous, she danced.

of points of fire and represented the very spirit of passion. Faster and higher the notes of the music rose, keeting pace with the fury of the dance. Suddenly at stopped on a discordant note that enached out, out of harmony with the rest of it, and we came to with a start. Then becam the strains of a bacchangle which could well have been played in the temples of Ashtoreth in the beight of the infamy of Babylon, that harket amour cities. From the darkness beside Eaths materialized other shapes, clad in disphanous draperies. Among the group of girls I recognized both Adah and Balleis

and I heard Marsaton's breath him our sharmly. They joined Eaths in a mod mot of motion that surposed anything that I had seen, even in dreams Faster and more furious grew the dance and then again came a discordant crash and the dunctes from into memobility on their knees, their arms upstretched in sup-

plication to the horrible image above them. HE music started again but this time the strains held a note of cruelty and blood-cliestiness. Slowly

image and slowly, as though fascinated, she approached stood. As the advanced with a languages and feline grace that seemed to suggest blood and torture, I saw that she held in her hand a maked dagger whose blade glistened in the light. Nahum came slowly into view before the image of the calf and in his hands he held a maked sudget. Forward Extha glided, her entire attitude suggestive of cruelty and a desire for blood. Nahum hunded her the child and she took it in her arms and raised it ceremonibusly before the image and then lowit sected to me that that accursed image rodded. When fore the monster and entaine her knife, she brought it

"My God!" enclassed Mariston hoursely and struggled to his feet, drawing his automatic as he did so. "Down! Sit down?" exclaimed Habbakuk,

Nankivell was also on his feet and I must have risen, although I have no recollection of moving, for I found myself strading with drawn pistol when Habbakule shook me. I glunced down at him

"It's not a child, it's a dummy?" he muttered hearsely "What?" I asked in a dazed manner. "It's a dummy! Don't let that fool fire!"

I grasped Nankivell by the arms and dragged him forcibly into his seat, while Hubbolook did the same to Mariston. Nunkivell tried to struggle but I twisted his run from his grass and turned my attention to Willis. was too late. I struck his arm up just as his ean went off with an car-shattering roor and his bullet struck the image. With the sound of the gwn a haze seemed to clear from my eyes and I saw plainly that what I had thought was a human child was merely a hundle of some inert material wranged in white. I saw Mariston pul-

The sound of the shot was followed by silence for a It rose alone, frightfully distinct in the profound hush and then sense a roor. I had never heard it before but ! black section came a wave of humanty relling toward us. The line of yellow-clad guards sprang forward brandishing tubes such as I had seen hung to Nahum's belt, but the mob was beyond fear. Forward they surged, sweeping over the thin line of Cowans and Craftsmen and then came a blinding flash and the sar was filled with the flash and crash of birth tension electrical discharges

By dozens and by hundreds the oncoming Burden Bearers fell before the flish of runs of the Craftsmen and Plannery, but where one fell, a dozen took his

"To the senetuary?" shouled Habbakuk in my car and turned toward the door he had pointed out earlier in the evening. I turned an follow, but Nandowell was no because by my side. I turned to look for him and saw him half a dozen tier of sests below me fighting his way toward the stage, Marison at his heels. There was

"Don't shoot, Dunc," shouted Willis in my ear, "we may need every round for close quarters." "Frank," I shouted as I reached him, "sou're headed

the wrong way! Come back!"

"Estha!" he shouted back over his shoulder, "she is cut off! We've got to get to her? I looked at the stage and saw the sause of his per-

turbation. Estha stood alone before the image and alline of retreat. Forward we made our way, blinded by the flashes and deafened by the roar of the electrical discharges. We reached the stare, but to our dismay it was ten feet above our heads and the smooth polithed surface offered no handhold. We were stopped for a

moment but Mariston sprang forward and put his back

"Up with you, Frank!" he cried.

Nankivell ran forward and stepped in Mariston's outpord hands. Mariston gave a tremendous unward he rose high enough to get a grip on the stage above him.

"Catch hold of me, Dune, Ray next," said Mariston in the stage. In a moment he was on his stomach feaning over to grosp my hand and I joined him. I dropped

holsted him just in time of escape having his addes grasped by the first of our pursuers. We dragged him up and I arose and looked around. The stage and empty.

"This way," cried Mariaton, "I saw him go behind I followed him, but Willis was an old fighter and he stayed behind for a moment, long enough to shoot the

the platform on which the image stood and before us we saw an open deorway. Into the darkness we plunged followed closely by Willis. As we did so, a flush of orange First stabbed the darkness and a bullet whiseled

"Rob!" came a welcome answering voice and in a

"I don't know," he replied, "Just as I gained the

"Done, you know how to shot that door, don't you?"

saled Willia "Then shut it and keep those hellhounds out." be

"Have you a match?" I asked. Mariston lighted one and I hastily looked for one shown me that morning. Fortunately I found it and

leaving us in total darkness. "Now what?" osked Mariston.

"Go aboud." said Nankivell experty, "Eatha went this WAT. "If she did, she's probably safe in the sanctuary by now," I replied. "She knows the roads here. We should have thought of that and made our own escape while we could. She probably stood there as a decay the elevators while she had her own way of escape open Than's probably true," said Mariston, "but all the same, I don't blome Frank at all. If it had been Balks

instead of Eaths, I expect that I would have led the way. The ouestion now is, which way shall we go?" "There's only one way," replied Willis, "and that is straight ahead. We can't go tack and one way forward is as good as another. It will be just a matter of luck where we land anyway, thy sense of direction is no cood

underground," The truth of his statement was too self-evident to merit discussion and we assented to his program,

"Let Nankivell lead the way," directed Willis. that shot he made when we entered I don't care to have

"Righto, old top," laughed Nankivell. "Soll, you had better be glad that I can't shoot. If I could, our number would be one less right now. Come on, boys forward march, and devil take the handmost." With pistols drawn and ready, we followed him into the durkness.

#### Pedro Pays His Debt

could not have been very far, but in the darkness and absolute gulet through which we moved, it seemed interminable. My nerves were getting more jumpy every minute, and I expect that I steam three feet when

"What is it. Frank?" asked Mariston anxiously - " excisimed Nankavell luridly, "Pve come to the end of this benighted passage and I ram "Oh, is that all?" replied Mariston in a relieved voice

"I thought it was something serious." "It's serious enough to suff me," retorted Nankivell "Have you pay more matches?"

"No, I used the only one I had when Danc closed the done," he realist. "Who has some?" "I have two," I said after I had searched the nocke

of my platel belt "Chair swo?" saind Willia "buon's ann our eise ony?" "We'll have to save them then," he remarked. "Dune

you know more about these doors than the rest of us do, see of you can find the button " I searched by the sense of touch unavailingly, "We'll have to use one of our metches then," said

Willis when I reported my inshifty to find the lever in the darkers.s. "Bob, you light it and let Dune stand by some sign of a lover which would open the way before

us. Nee a thing could I find and the match flared up "It may be a door that will open only at a vocal command," I westered, "Nahum told me that there were

some without emergency levers at places where Burder "This may be one of them," assented Willis, "Well book the way we came. We had better severate and on two to a side. In that way we may find an intersecting

passage that will lead us somewhere." "How far is it back to where we entered?" asked There was a moment of silence

"Darned if I know, Bob," said Willis at length. "I thing, it is straight behind us." "I doubt that " I renied. "In this darkness there is

"All the more reason for keeping in touch with the wolls," he said. "You come with me, Frank, and let

Dane go with Bob." As we started back I took the lead, my hand on the wall beside me and carefully counting my footsteps. I

nounced a similar discovery from the other wall. "Evidently we have hit a right-angle intersecting passage," he said. "The question now is, which way shall wn go?"
"I think that Nahum's house lies to our left." I said.

"My sense of direction is no good underground in the dark," he replied. "Even if you are right, I don't think we want to go back there. Judging from such of the to find is the sanctuary and that should be almost di-

venture until we let another passage or a door. We'll have been doing." We changed direction and continued on our way. We

had gone two hundred and sixty-two pages when we were stopped by a stone wall. "What the devil 9" exclaimed Mariston, "what do you

There was no answer. He called again and still no answer came to us. We turned and retraced our stees but we found no intersecting passage. Again we called

"We must have turned off on a diverging passage," said Mariston. "These damed sandals don't make enough sound on a rubber pavement to be heard a foot away. Take the left wall, Dune, and I'll take the right, but speak every five paces so we won't get separated." In this manner we started but after fifty paces we found that our voices were suddenly muffled and we stopped and investigated. Sure enough, the corridor

branched off into two directions at a small angle. "Damn!" exclaimed Mariston. "Come over to me and take the left side of the corridor I am on. You are evidently on the one we followed before."

Again we resumed our advance but within eighty 'Ray! Frank?' shouted Mariston, throwing caution a faint reply. Mariaton called again and this time

familiar and we strained our ears. Suddenly Nankovill "Sefor Frank!" came the answer from the other side of the door in what was quite evidently Pedro's voice,

"Open the door, Pedro," colled Willia, "We see alone. "Sriler Ray," said Pedro, "it will not coon more. Can W B strained our ears and it seemed that we caught

"Essy," said Nankivell, "get your back to it, Bob."
"Wart a minute, Frank," interposed Willia, "this may

"Either we are completely turned around or else we are in a perfect man," said Mariston. "Turn around Dunc, we might as well try to follow the sound." We shouted again and an answer rame faintly to us We strove to follow it but it rapidly grew fainter and The only thing for us to do is to stand still and shout, Bob." I suswented. "They are moving as well as we are

to come from behind us. We named and retraced our

stope, halloring from time to time. The suswers drew

nearer for a time and then started to grow fainter and in

and that is probably why we are missing each other." "You're probably right," he replied. "We'll stand right here and shout at intervals,"

We did so and to our relief the answering voices came nearer. Once or twice they started to get fainter but their average distance was steadily lessened and suddenly

they sounded alreast at our sides. In a few moments With and Nankivell joined us. "Now where?" Mariston soled after we had com-

pared notes and found that the experiences of Wilhs and "Frankly, I haven't an idea," replied Wittis. I had

a fair idea of about where we were when we started. but I am completely lost now. We may be moving straight back toward the ampithenter. For all that I know, it may be just around the next corner, None of us had any idea of our location so we set for-

vocal contact. It was well that we did so for in a few moments it became evident that we were in a perfect muze of passages and might very easily be going in a circle. For over an hour we keet up our round of starching and paused at last when we can into a foor marking the end of the passage we had been following. To say that we were tired would be putting it very mildly. When a person has been used to walking with

heeled boots all of his life, heelless sandals, even on a rubber flooring, will wear him out in a short time." "I'll be damned if I know what to do, Bob," said in my life. Good Lord, look at that ! Back! Back and

"That" was a narrow line of light on the roof before us. As we watched, the crack grew wider and it was apparent that the door sheed of us was slowly lowering. Down it slipped until it had opened a space of about two feet and then the motion reused. We watched it without

moving for a minute and then Nankivell stole allently forward. The rest of us followed at his beels. We reached the door, the top of which was shout three feet above our heads and paused, listening A murmur of voices came from the other side of the barner. Something about one of the voices seemed quite

'So would L but it is possible that he is a prisoner and "Not Pedro," replied Nankivell. "At any rate, Pd

Marryon placed his back to the wall and, sided by

"Corer on, fellows," he said, "it's Pedro all right and

fell on his knees and tried to kiss Nankivell's hand, but

"How on earth did you find us?" Marieton asked. "Sexey Bob, although you did not see me, I was sician prayed. I had seen medicine men work before, so I shut my eyes and my cars and he had no power over that she was unking a sacrifice. Then I heard Serior Ray's gun and then all fought and I tried to join you.

without aid and I was sweet away by the others. "The black robes do not hate us of the Indian tribes and some offered to do me harm. Booldes, they know that we all carry possoned knaves, and it may be that they avoid us because they wish to live and not because they love us. When was shut the door in their faces. those who were nursuing you came back and said that

you were in the labyrinth and omld never escape and that they would hunt you down at their leisure "When I heard these words, I took one of the black robes who seemed to know that of which he socke and I drew him to one side and pressed the point of my possened knife against him and hade him to follow me crowd. I solved him of another entrance. He said that Then, since he saw that I means what I had said, he remembered another way into the labyringh and he led me to this door and told me that you were somewhere door, so I took him away a distance and killed him.

"When I had classed my knife, I went back to the hall knew how to open the door and he tried to do so, but it would open only a short distance. He said that the him away a distance and killed him and then came back Spirit and to the God of this place in the voice that is bidden for each. When neither answered, I made a turn, one phrase to each, and each in a different voice at one of his worshipers and sid one another. My prayer

thanked them and spoke to you. That is all."

"That's enough?" cried Nankivell, "That is more hero, Pofro. Now where shall we go? Do you know the road to the sanctuary?" "No. Solar Frank but I know the road to the buildstars where the Indians sleep. There my countrymen are and there not even the black robes would dare to try to

"I succe we had better so there and work from there

"I knee an also," exclaimed Willis, "Pedro, where ore "But a short distance away, Señor Ray."

"Fine," he replied. "You fellows wait here. Pedro, come with me.

They were gone for perhaps tea minutes and returned

"Where did you get four?" I asked. "Don't ask questions," he retorted. "Podro still had his knife and I had my strength and it was their lives or ours. Get them on and let's gu."

We made short work of doffing our ceremonist blue robes and donner the black ones and attired as four Burden Bearers and one Cowan, we set forth under POR perhaps half a mile we pursued our way through

FOR perhaps that a time we produce few doors which I corned without trouble. We met no one and we were beginning to breathe easier, when a sound reached our ears that stopped us in our tracks. It was the sound of votces speaking in Atlantean and they were approaching cross passage and no door for several hundreds of yards in our rear and the vokes were apparently only a few As we healtsted with drawn pistols, a body of ter

men in black robes came into sight bringing with them a orisoner. We were not seen for a moment and then their leader looked toward us. He called something to us in Atlantan and I responded in a gibberish which I not his glance fallen on Nankivell's blood head. At almost the same instant Mariston recognized the prisoner

At a word from the leader two of the band burled the

"Let them come close enough that you won't waste a shot and then turn loose," said Willis

approach to within ten words before we opened fire. It was sheer marder, shooting down those unarmed men but there was no time to busitate and I downed my two fell, we ran forward to release the Mester, Nankivell and Pedro were somewhat in advance and

had almost reached him, when I saw something that made my blood run cold. Our of his capture was halding an electric postol in his hand and was squinting was answered, for while I was praying I heard your "Look out, Frank?" I shotted, but I was too late for a moment we were blinded. As my eyes cleared I standing unharmed with a smolting pistol in his hand.

I had called to him quickly, but I had been too slow. Not so Pedro, however, He had seen Nankiwell's peril as seen as I had and where I had passed to warn hun, Peclm had acted to save him. He had thrown himself

forward and had taken the charge of static electricity

"A faithful servant, brethren," said a deep sonorous

your at our sides and we now Zenhanish had ruses. "Faithful unto death. For such as be, there is a greater reward laid up than for us who wear the blue, no matter Great Architect make his example to so ennoble us and to raise in our bosoms such thoughts as will enable us

In slience we knelt and the solemn voice of the Master so moved me as that simple vet solemn prayer offered right hundred feet underground for the sake of a poor savage who had given his all for the master whom he

When he had finished the prayer, Zephanish remained "My brethren," he said. "thanks to your timely sid,

booves us to hasten to the sunctuary. We will take with us the body of your servant in order that it asso be disposed of with fitting coremonics. Let us pees on," Nankivell and I raised Pedro's body and soberly followed the Master, Nankivel's shoulders shaking with

#### CHAPTER XIX

#### The Sanctuary

WE retraced our steps for perhaps a hundred yards and then Zephanish passed and facing to his left, spoke a few monts. Before us a door slid slowly down, displaying to our each the familiar

"How far are we from the sanctuary?" asked Maris-"We are close to the outer ofen of the city," realied

Zenbanish, "Unfortunately we cannot return by the

one which bore us swiftly upward as was shown by the pressure on our fort. Presently the elevator stopped and we were confronted by a row of Craftsmen, who the color of Zeplanish's robe became evident to them and he was recognized. With a ery of tery a Planner who was evidently in command of the detachment of "All is well, Most Worshoful Ser," replied the Plan-

zer, "Many of our rank have perished, but many have also gained the Sanctuary and are safe. Who be these

"Do you not recognize our brethren from the outer

"You are welcome, my brethren," he began caremoni-

"Is Estha safe?" he demanded. "The grandchild of Nahum is safe in the inner court." rentied Tehal. Thank God!" exclaimed Nankivell.

"What is the toll of the brethren?" asked Zephanish, "One of the Keepers of the Treasure, eleven wearers of the crimson, two hundred, twenty and one of the

Planners and eight hundred, thirty and four of the "Are all needful dispositions made?"

"They are. Most Worshinful Sur." "It is well. It is my will and pleasure that all the

be so done." "Your order shall be obeyed," replied Tubut with a

"Come with me," said Zephanish shortly to us, and without words we followed him He led the way to a suite of rooms comewhat similar

to those in which we had first taken up our abole in Troyana and sank on a divan exhausted. He called cort in Hebrew and, when a Cowan answered, he save an order. The Indian bowed and went out, to return in a few minutes with a pitcher of wine and five publicts. Zenhanish sulped his carerly and the rest of us were not more reluctant. Zeohanish spoke to the Cowan again. In a few minutes two Indians entered and raised Pedro's

"My brethren," said Zephaniah kindly, "you have doubtless seen much that puzzles you. I will be glad

"There is just one thing that pundes me," said Nankivell. "We seemed to see Estha prepare to sacrifice a human child before that hidcous monstrosity and then later we saw that it was only a dummy and then trouble

started. What did it all mean?" Zeobanish smiled slightly. "Doubtless you fixed your eyes on the spee of light

over my head when I began my peayer?" he asked.

"That explains your bewilderment," he went on. "My prayer and the light were designed for one thing alone, secret. Those who were, looked another way and Binders are described, were a harborous rice who practised human societible, temple harbory and religious cannibelism. Despite six thousand years of attempts the educate them, we have done little toward improving the and have suppressed the peterious I have named only worked to the time, for cannotalism is hardly known. Even so, as recently as two years ago, a number of their children were musted and their lorses, when found,

showed evidence of the heree which had been perpetted.

"In order to parify them and make the problem of their correct caver, we controved some two thousand their correct caver, we controved some two thousand which it is worshiped. As first we were forced to make sectual human seatifies, sat about twelve hundred years extend human seatifies, sat about twelve hundred years exact minute switches, sat which were known as easier mind, devided the present ceremony where a prayer with attendant concentration on a prox of light effect of also hypothesis the scaledon of the first of the hypothesis the scaledon plant almost exact the control of the first of also hypothesis the scaledon plant almost exact the same part of the first of also hypothesis the scaledon plant almost exact the same plant and the same

ascritic can be curred out suitant their desceing the frand. For over a thousand years, no human being lass been ascrificed.

"We are always are the contraction to the "We are always are always are the copy explaints of the events of the evening for that the sound of the sho, which one of you fired, break the spith, and enabled them to detect the frank. This, showing them that they were being element of the vicencium pleasure which they

breating for the last thirty years."

"Then Estia knew that it was a dimmy?" said Nankivell with an air of great relief.

"Certainly. All weavers of the bine and many of the

store assumed of the Crattesian know it liner was interrupted by the entinge of a blue-clid messenger who salured and spoke rapidly. Zephaniah's face assumed a look of arctity and be questioned the messenger sharply. The messenger answered and the wormed look on the Master's face despende. Suddenly

he spoke in English.

"Direct Brother Joet to make all haste possible in starting the main emergency generator," he directed, "and have the observation post marned as soon as there is sufficient power. Bid them to report at the surface.

"and have the observation post marined as soon as there is sufficient power. Bid them to report at the asylum within the space of an hour."

The messenger saluted and left. Zephaniah turned to

"I must apologize for forgetting that you cannot speak the language of Troyana," be said graciously. "The news that was brought me was ill, but I beg to be excused from informing you at present. The Council will need in an bour and all news will be laid before them. In the meaninm partitle of refreshment and rest."

AT his call a Cowan appeared who led us into another room where a meal was serred to us and where we had an opportunity to reclaim on divising and rest our weary funds. It seemed that we had barely lain down when a measurager entered and bade us to the asylum. We troe and followed him shrength corridors to the room where we had first been examined. Again the bowing

files of Carltanes opened before us and we approached the doorway. We had no difficulty in gaining admission and after the proper commons took our place. "It is my occleen," and Zeyhanish when all had assembled, "that the deliteration of this assembly be conducted in English for the benefit of our newly found beathern. This you will prochisis."

The orders were duly represent and Zeyhanish turned

The orders were duly repeated and Zephanish turned to an officer.
"Beother Steward," he said, "report the state of the stores."

stores."
"Most Worshipful Sir," was the reply, "the stores are in excellent condition and are in full quantity for a

period of ceretry years for those here assembled "
"It is well," said the Master. "Beother Armorer, what is your report!"
"Most Worshipful Sir," replied the efficer to whom

"Note Weestepful Sir," replied the officer to whom the question had been addressed, "three is an abundance of charged tubes and all the needful for our peoper defense."
"Brother Scribe," said the Master, "declare the num-

ber of the heethren."
"Of the purple; two; one present and one imprisented in the Vault, but respected well and safe. Of the crimnant; eleven only. Of the blue; two hundred twenty and seven. Of the yellow; eight hundred, then't said one.

Of the black there are none here,"
"The report is a poor one, yet better than I had hoped," replied the Master. "Brother Warder of the West, your report."

The Master bowed his bead while a murrorer of astonthem.
The Master bowed his bead while a murrorer of astonthem.
The Master bowed his bead while a murrorer of astonthem.

"Worshightal Bredher-Asson, who was deposed thirtytwo years ago from the threese which year now occupy is soil in our midgl. We thought that he had been killed but he has been hearded and hos jound forces with the Bearers of Burdens. We cannot see the interior of the Crypt due to its predoction, but since the air compressor we already driving air threating the underground duell-

generators could be destroyed and has them in operation.

Although the Crypt is in his possesson, the Voult has been closed and for he had tot a small ster of energy with which to feel his generators. Still, with cure, it may shat thin for years, especially as the Bearers of Bendens will now live above ground and the great energy used in the sir compensates will be award."

"What of the Vanit?" asked the Master anxiously.
"The Vauk is safe. Boother Zeruthabel holds it and
he has lowered the emergency deers so that he is pootented by miles of rock from the Crypt. There is Intile

chance for Arma so secure more energy when his present to store is exhausted."

""That is well," said the Master. "Brother Warder of the West, you will determine the state of affairs to

If the West, you will deremuricate the state of affairs to a Bucher Zerubbabel and inform him——

"Most Westhipful Sir," interrupted the Warder, "before you order the exceedings of that amount of

energy, hear the balance of my report. Always enough entrgy hast been stored in the sanctuary storchouses to meet our ambiguated needs for sixty years. Brother Amos, as you know, bed it in his care. He has stoller in from the sanctuary and their remains only been entil and enough units of energy to maintain our observation posts and to superly the occlurary confirms of his for five years with great economy. If we endeavor to use against the traitor ran around the hall "My order is recalled," said the Master. "Let us take

counsel. Has any brother anything to offer The frutless discussion which followed lasted for to offer. The final conclusion reached was that energy ing adjourned with prayer and Nahum hastened up to ua "We had given both you and the Master up for loss when you appeared and he related how your bravery and skill had drivered him from the hands of our enc-

your places as members of my household. Will you We were desprived and we managed to cut short the congratulations and thonks which were nouring to or

housed, but the wormth of the welcome which met us As we emered, Esths, again in the blue robes of her

"Frank," she half langled and half sobbed, "I thought to try to follow me? Doin't you realize that I was safe

"All I saw was that you were in danger and I fomped "Silly boy," she cried and kissed him. I planted an-

prehensively at Nalsam but that old pestlemen had dis-From another more Balle's and Adult entered and thanked us nestrily enough for what little we had been shie to do, but their thunks had none of the fervor and warmth of Estha's. One would think that Frank Nenki-

vell had done everything We sat up most of the night talking to Nahum and been exaggerated. Energy in the peculiar form that indeed life and death, as well as power of offense and defense, to this people. It was true that their enemies larger number that they had to provide for and our almost improvable position in the fortified sanctuary. the situation was really a deadlock. If we could do

part, or on the part of the cohorts of Amus, to obtain an advantage, but both were equally unsuccessful, as corney to try a decisive blow. If such a blow were attempted and fulled, the attackers would find themselves at the mercy of their enemies and the fight soon developed into a stalemate, each ade waiting for the other to make a false move which would leave them at the mercy of their opponents.

Z EPHANIAH did not forget his promise about Pedro. The day after we reached the sanetmers, a massificent ceremony was held in the asylum, where the Master preached a moving sermon about the virtues of fidelity. He ordered Pedro's body embalmed and placed in a manadeum against the time when it could be removed and interred in the forest from which he had come. It was a touching ceremony and we all broke down at the Master's words, Nankivell especially, crying

like a baby. Three months possed in this fashion, Wiffis, Mariston the asking. Zenhanish withed to loon you with him the defense while I was not to savel in the laboratory My pacrile knowledge of the science of Europe and carried out, but I was something of a technician and was able to be of some small use, I hope. I did my best

> Our hours of daty differed and I saw comparatively little of either Withs or Nankivell. I saw Mariston the others. Willia was getting more and more impatient for the outside world, but Nankiyell would read a team of horses to drug him away, it seemed. He was comto Eaths on several accosions and had finally remouted Nankivell to cease his attentions. I felt that I was rather more than a friend of the old gentleman and I foolishly exough took it on myself to remonstrate with

> him about his attitude. I didn't out for-"Brother Duncan," he said sternly, "you are a poed and tried brother and so is Brother Nankivell and to you both Troyana owes a great debt, but there are limits beyond which no one may po. No matter how much Brother Narkivell and my granddenghter may love que another nothing can come of it. He is of the menide sult disastrously. Already, in your hearts, you tire of the place and long for greater freedom. Should Esthy in a hundred years or so, he would chafe at his bonds and become miserable, longing for the world be has known, and his discontrat would kill Eutho. On the other hand, she was born in Troysus and could not live in happiness beyond its halls. Much as I love you strangers that one request I extend grant "

> "You said 'beyond the halls of Troyana," I said enovely. "No you mean that there is a chance of espane He smiled in a wey fashion.

"I see right as you can see," be replied. "At the mere suggestion of a chance to leave this city, you are all either Brother Nankivell or Brother Willia, Yes, Brother Duncan, there is a chance, but I can say no "I thought that there were no storets from those of

the blue degree," I replied. "Our entire knowledge is not confined to the operation

made us both think. It was, therefore, less of a surprise than it would otherwise have been, when we stand before the altar.

"My brethren" soul the Master "St orieges my heart love you like sons, but Brother Nabum informs me

that your hearts are sore for your homes. Is it so?" love if I could, but I will not hold you here by force. There is a way to return you from here to the place can be used only by those who are chosen. Also remamaccord and so the way was onen to you. So must you ever closed to you and yours. Make not your decision tomorrow, here, give to the Conneil your answer. If you refuse, never again will the chance to depart he offered

to you. If you choose to go, never again may you return. Now go in peace and may the blessings of the Great Architect rest on you and may his wiedom guide you to a true choice, for my mind is torn and I know Stlently we saluted and withdrew. Not a word did we speak until we were back in our rooms. Willis first

"Think God, we are cretting out of this hole," he exclaimed heartily. "I am so dammed glad to get away that I am resigned to losing that gold plate we saw at

Mariston whistled softly through his teeth, "What do you say, Dunc?" he asked.

"Well," I remarked cautiously, "there is a rood deal to be said on both sides. There is a lot to be learned here only chance to get out, possibly we ought to take it. I'd like to see Melly again, but on the other hand, aren't we almost in honor bound to stay and see the end of at 200 "Shat up, Ray," replied Mariston. "Let each man

have his say and then we'll armie it. What is your de-"I think we really ought to stick it out, even though I would like to go," I answered with a heavy heart,

thankful that Molly could not hear me say it. "I you "I'm going to stay," said Nankivell shortly,

"Because of Estha?" oxied Mariston. "That's the very reason why you are going," replied Mariston, "I am the exact opposite of Dunean I

Balkis. A little longer in her company and I wouldn't he able to so and Nahim has shown me were obtible that nothing more tragic than a marriage between one of them and one of us could hannen. Neither Estha nor Balkis could leve in the world as we know it and be happy and neither of us could live happily in Troyana. Each most keep to his own country, old men. Off and water won't mix, excellent as each one is alone. No.

"And leave her? I will not!" said Nankivell borby. "Yes, you will, old man, and for the very reason that new makes you declare you are going to stay. Because

and I think that I can make you see it. Done, you are free to do as you please, for you have no foreign entanglements. If the rest of my on, will you on or stay?" "All right then, that's settled. We leave" sold Maria.

"You may, but I won't," retorted Nankivell.

"We'll see what you say in the morning," replied Mariston. "Dune, you and Ray turn in. Frank, you come with me. We are going to thrush this thing out."

#### Pedro's Body

"HE events of the day had naturally excited me and that alone was probably enough to account for my broken rest that right, leaving out entirely the emotions which the possibility of again seeing Molly had Whenever I woke, which I did at frequent intervals, I room. There was no doubt in my mind that the course but I couldn't belo symmathicine with Nankiwsk | tried to think what my decision would be under such circumstances, but the problem was too much for me. Thankful that I did not have to advise Nankwell 1 finally settled myself to sizen with a feeling that the

Neither Mariston nor Nankivell volunteered any information at breakfast the next morning and neither Willis nor I cared to question them. When the meal had been firmthed Nanleyell sense with a muttered word of what seemed to be rather sulkn apology and left the recen. We turned to Mariston questioningly.

· "He's going," said Mariston. "It is a protty hard blow to him, but I made him see the light. I wouldn't say anything about it to him if I were you. It is one of those things that are better not discussed. He has gone

Nankivell did not return until after supper time and when he did, the change in his attitude was very marked. He had left in the morning with a sullen, rebellious, and disinglimation to talk about the metter had left him, and he chatted with us in a normal mazmer and soemed to be ought to keep order, but curlosity overcame me at last,

"How does Eaths look on our departure?" I asked. Mariston's fist elenched and he shot me a dark look, but Nankyell answered occuptly without a trace of em-Frank, when you hear me. I won't stay because of

"She took it rather hard at first, just on I dds," he answord, 'but die soon saw the force of Boh's arguments. Bulis was there and when she heard that Boh favord our leaving, she sided with him and agreed that the course we were taking was by far the wasset." For some reason, Marston did not look entirely happy a Nasibriell's words. He fluided shirthit ead was shoot

to agaste when the extenses of Nohims put as end to further conversation. Nohims admired as affectionately and told us that the Council had assembled and were washing our arrival. At his suggestion, we donaed our extensional robos of thus and followed him to the agotum for extraction was affected by the turnal octromotors, with which we were by their sufficiently familiar to go through with a littlewe without assattance. We were

through with in Hithrew syshout assistance. We were conducted to the nilar before the Master who greeced us correcounty and asked if we made over decision." "We have, Most Worshipful Sir," replied Mariston who was naturally the speciesman of our party.

who was naturally the spokerman of our party, "Communicate at one," directed Zephaniah. "We have decided, with your gracious permission, to return to the place whence we come," he answered.

return to the place whence we come," he answered.
"It greeves me greatly so to hear," replied the Master,
"and yet I applied sy me answer as that directed by widoors. Breeher Nankivell, in this decision mode of your
own tree will and arcond, usede without outside in-

menor, without few of punishment or hope of newshiled without possibility of future retraction?"

"It is," answered Nankivell promptly.

"It is," answered Nankivell promptly.

The same question was propounded to each of us and
when we had all answered in the affirmative, the Master.

"In order to teach you the means of departure, it will be necessary to communicate to you certain portions of the Cryptic Dagree." He word on. "This will movies taking upon yourselves certain additional daths, other patients and duties in addition to those which you have batherto claim and have observed. The sourances which

three resourced, are you willing to proceed?"

We answered in the affirmative.

"It is my order that this assembly of Planners be now closed," he proclaimed, "Brother Chancellor, is the Master of the Cryptic Degree within the sanctuary or has he formished you with ceiters?"

"Anne Worseinpau sir, he is not women the sacretary and no orders have been received from him."

"Then, by virtue of my arthority as the Worshipful Serlor Warshe of the Cryptic Degree, in the absence of the Right Worshipful Master, it is my order that an assembly of the Cryptic Degree be now opened," he assembly of the Cryptic Degree be now opened," he assembly of the Cryptic Degree be now opened," he assembly of the Cryptic Degree to now opened," he assembly of the Cryptic Degree to now opened," he asset. "Brother Chinestlers, you will clear the asylum

My obligation forces are to draw the veil over the claimstea and very impressive corresponses that occupied the next there hours. Suffice it to say, that m the end, we found that we had learned many things. Not only had we learned how we were to leave the city, but we had been admitted that we had been admitted to the contralational admitted that we had been admitted to the had been admitted to the contral to the contral to the test was used in the statent, guerantees of Troysus, the scatterily of which was classified so much concern, so set the comparatively common electron, couldn't have two only one source of this meigraal whitm the literas of Troysus. "My tweeter," he said, "the night has far adversed and the rate of last the day are grown you for report and treatment. Tearmers might at the second hour and reflexivent. Tearmers might at the second hour and reflexivent. Tearmers might at the second hour and treatment and the second hour and the second hour and the second hour and the second with bring to each of you a rutil peckage. In it you will had comply dismonth to could be you have without our flow of the second had been as the second hour and the second had been as the second had been a

At the conclusion of the coremories, Zenhanish cave

"There is, Worshipful Senior Warden," reptled Nanlevell. "There reposes in the sanctuary the body of a dear friend who give his life for me and also, in a mesoure, for you. I would slice to be given his body so that I may take it with me and lay it respectfully to rest in

the forest whence he caree."
"Your request le greated," answered Zepheniah. "It is such a request as I would expect to hear from you. Brother Natidivell. Do any other of you have a desire? Then may the blessings of the Great Architect rest on you and on us all and narry you are your ways ever in

"So must it be?" came a deep-toned chosus from around us.

The day passed repidly. It took time to go the rounds

of the surequery and bill furewell to our many freeds in Troyans and many of the fastwells were sail and hard to go for we had mode real freeds there and we all know that it was a last farswell, for it had been repeatedly old to as that there was no retracking the result which we were taking.

We changed our Troyaus robes for the tramping zar-

our pecks, substituting, for the mining surveys and general, store of the nurveixed connectated formbushing of which the nucessary continued to large a store. Were of our pecks, William was disposed to object to the siddiction of the weight of Peeder's hody to our 34ad. Music can we non-commission, that is admit serveyly with Navikation was not commission. It is admit serveyly with Navikation was not commission, that is admit serveyly with Navikation, if the felt the taking Perion along, that that much take it is the store of the store of the store of the a true without it, so Victor was ofercif to give says. He although the gentallies of little at whe in termod whether

and shadingly approached, Naudwell left us and were to prepare feeled help for the reg. The Goldind any gendered austrance and I stoped with Marsons and a stoped with Marsons and Compared austrance and I stoped with Marsons and Compared austrance was Tomes, the Justice Decrease, who had to the contractive was Tomes, the Justice Decrease, who had to the contractive was Tomes, the Justice Decrease, who had to the Compared australia for the Court Way. Which had not be attained fusioned to the Compared austractive to the Compared australia for the Compared au

"Dung, come and help me with the body, will you?"

body in many folds of linen and had tied it securely. The weight rather surpresed me, as I had an idea that an embalmed body was always lighter than a living one, but I accounted for the weight by the large quartity of wrappings he had put on it. He took the head and I the feet and we followed our guides to the asylum which

ready, we stepped back from the altar and Zephaniah, with a final word of prayer, spoke certain words. In one side and we followed Nahum down the flight of steirs which the movement had revealed. They were thick with dust of ages and small wonder, for we had learned the might before that they had not been used for over six hundred years. I tried to count steps, but at

earth, stopping now and then to rest. The weight of Willis relieved me from time to time. Exhausted as he

the level of the Crype. For perhaps two miles we followed him along the passage, which was dim'r lighted manipulated some dials and levers and we saw on the

"When the door opens, move rapidly," he directed. "We must move some twenty yards and he in the conversage that will take us to the entrance where you first be coming from a distance and, as you know, our convey-

ances travel rapidly " Using the same words with which Zenhanish had rapidly forward. The door closed behind him of its compression and although we know that we were noing principally in a forward direction, the slight grade and we were rising again. The cur stopped and a door that only a few mirrares had passed and I had to shake my head to make me realize what we had been throughalready its wooders seemed like a dream The door to the outside world mened at Nahum's

command and we second forth again on the road by which we had first approached the lost city. Only, instead of our faithful Pedro walking with us, his dead Our parting with Nahrom was loned, but and We had all come to love the old gentleman, and he had grown love you and it is my surrow that you cannot actually be my son. For your own good and for hers I have acted and when the first pean has passed, you will each Meas me for my actions. And now, my brethren, may He essired to give us the conventional blessing of

"And that's that," remarked Willis, a little bankily, as we strode forward. His eye lighted suddenly, "Let's

fond of us, too, in his reserved way. He wrung us

"All right," said Mariston, "Go ahead and look. I'll keep my eyes open and be ready to make the peace

signal. I don't want to stop an arrow after all we have I were no expect on some hor Willia was Afres a careful examination, he arrounced that, at a conserva-

"Not a bad hand," he commented. "No, it's not," replied Mariston thoughtfully, "but now that it's too late, I wish that I had sided with Dune and Frank. I'd give the whole business for an hour

more with Balkis. The dawn was just breaking as we streted. With cellest time, even with the handicap of our burden, and a little over two hours of steady hiking because us to the north where we were to leave the road for the jungle. We rested for half an hour and then turned into the trail and headed for our campe, which we

planned on reaching by the night of the second day, The trail along which we went was fairly open but the heat began to get bad and the weight of our burden

seemed to increase momentarily. For two hours we streggled on and then Willis, who was carrying one end, put it down and mopped his brow "Frank," he said, "I have given in to you on this gestter so far, but we are coming to harder point every colours and I don't see how we are going to carry this packs and that would be suicidal. I appreciate your

feelings, but we have got Pedro back to the numble, even if it isn't his native one, and I don't see why we can't bury him here just as well as any other place. At any rote, I'm not going to earry him any farther." MARISTON modded assent and Nankivell turned to me. I looked sleepish, but the thought of struggling under that burden any longer broke my sperit

and I modded as well. "Too had," said Nankiwii solomoby. "I had horsed to carry it further, but I can't do it alone and since you fellows won't help me, I'll have to give in. If it goes any farther, it will have to go under its own power.

Help me to unwrap it." "Why not bury it as it is?" I asked. "We have no means of making a coffin here."

"Oh, let's have another look at him," protested Nanki-"Fellows," he said, "do me one favor, will you?

I finish this job, I'd rather do it without witnesses," We could hear him at work and presently his voice

broke the stillness "All right, fellows, you can look now."

smitten with amazement and then Nankivell's laugh broke the quiet. Before us was not the body of Pedro, cold in death, but instead, standing there smiling, was

what the devil does this mean?" "Oh, nothing much," said Nankivell sirily, "I saw so I save un and put the problem up to Estha. She felt just like I did about it, but we know that we couldn't own way and make a private addition of our own to

"When was this planned?" asked Mariston "The day before yesterday. That was why I was so

willing to fall in with your ideas when I came back from miling to Eules. Balks below us out on it and if there had been some way of bringing her along, too, we would have let you in on it, but there wasn't, Anyway, you

hadn't even told Bolkis that you wanted her to come." "You know that you can priver go back," Mariston said to Estha. "I don't want to," she said. "I made up my mind to

come with Frank, just as you made up your mind to leave Balkis. We'll see in a few years which one of-us

"We'll have to change our plans," interrunted Willis, "We can't go on on this soute for they know just how we are going. We'll have to hunt snother ttail." "I don't think so," replied Nankivell. "In the first place. Early is in bed sick in Troyana so far as Nahum knows and I think that Ballels can keep him fooled until

anyway. We have to so to the river evenerally and if we took a longer path they would just cut us off at

"There's some sense in that," remarked Willia. "Miss Estha, you know Nahism's disposition better than we do. Will there be any pursuit?"

"I ean't tell," she answered. "I am his only descendant and he loves me greatly and if I were dragged back it would mean my death. One of the most immutable

"I doubt greatly whether there will be any," said Mariston. "Even if Nahum urged it, I don't believe that Zenbanish would authorize any of the remaining few of

the Cryptic Degree to leave the city. I am more afraid nursue us. Naham's only chance would be to have Cownes sent after us."

"I don't think that there is much danger of either take it, if you wish," of those contingencies harmening," I said. "Asses has too little cobalt to waste any of at in wildcat observation

for that purpose for they take a tremendous amount of power and he has less than Amos has. There is another thing to remember; we have in no way violated one obligations and I never beard of a woman taking any. It seems to me that Zephoniah has no real grounds on "That's all true," mused Mariston. "I expect that

can take will balk him for we have to move by the river in any case. We are safe from the awarrps along this route, thanks to Hosea's map and there are Indiana

of the jungle and I don't think that he will ever see us.

everywhere. Miss Estha, is that cloth impregnated with "Certainly," she replied.

"Then the only suggestion that I would make is that Estha wilk between Frank and me and that we each keep a portion of it around us like a robe. That may protect her from casual observation and at night we can no a tent of it that she can sleep under. That's about all that trust to luck to get out of it with whole skins." In the formation which Mariston bad suggested, we

## plunged ahead into the jungle.

### Nankiyell to the Resene

THE route which Hoses had taught us was a vast improvement over the one by which we had anprosched Troyana. The ground was higher and more open and the terrible plague of Insect life which bad tormented us was, to a large extent, missing. Estler's costume was kardly such as an experienced traveller would choose for a jungle trip and, had we tried to retrace our steps over the old route, her sufferings would have been terrible. Even as it was, the mosquitos and

the fourney unpleasant, to say the least We slouded on for nearly three hours before the increasing best folced us to stop for rest. According to our nedometers, we had thus far traversed nearly thurteen miles from the spot where we had left Nahum. Mariston succeeted that we make a test of the tracenpresented lines which we had beought from Troyuna and I tried to do so, but when I had it constructed, it was evident that she could not stay in it. The thick, close weave of the cloth est off every bit of air and made the tens like the inside of a baking oven. Even Bob admitted, after he had spent a few minutes in its shelter, that his idea was impractical. The next best thing that he could suggest was to rig some of it as a canoty over the head of the entire party and rest on the ground under it and that is might be of advantage as a partial shield

against casual observation. "Shall we set a watch?" asked Nankivell.

"Of course," record Willis, "Remember that we are out in the jungle again." "I believe that we ought to," agreed Mariston. "Fil

"No, draw straws for it." I said. "The loser keeps watch during the sleate and is reheved at night."

"Fale enough" said Willis. "Bob, out four blades of Of course, after suggesting such a method, I had to

on the ground to rest and sleep a couple of hours while I shouldered my rule and felt to walking. Tired as I was. I knew that I would drop off to alone in a few moments if I didn't keep moving. Forward and back I occasional turn around the camo and fighting off faturus

The jungle was silent with the curious hush that often overtakes the tropical jumple at room on a coast day, when even the insects seem to feel the heat and he quiet until the temperature falls. The awest trickled down my face and dropped off the end of my nose and the point of niv chin and I didn't have enough energy to wipe it off. The quiet became oppressive and I could

a sound that could have raised my suspicions, but I suddealy felt that unseen eyes were peering at me. some luriumy soy but not a movement of a leaf rewarded my effort. With a shrug of my shoulders, I that I was being watched grow stronger and stronger. It occurred to me that it was possible that one or more In-

my rife and made the airn of nonce soward each point of the compass, but without result I shook myself and resolved to throw off such childish feelings and glanced at my watch. In an instant, the hair rose on the back of my neck and I knew where were the phenome eyes whose gue I had felt. From the face strove to raise my voice to call them but an unaccountable feeling of weakness and lassitude seemed to envelone me. I strumfed against it and staggered forward,

gled. It seemed for a moment that I would reach them.

time exerting all of my will power in an attempt to crr

I stargered and then wilted slowly to the ground. I mode a last effort and rolled toward them, at the same "Bob !" I don't know whether my fine actually formed the utter it, a wave of darkness swept over me and blotted out all the scene before me. I was falling, falling,

I came to myself with a start. My first impression was that I had fallen asleep on guard but a moment of

Mariston raised his head with a grunt but Willia sprang to his feet like a startled deer, his pistol in his "I don't know," I stammered. "I must have been

dreaming. Is everything all right?"

"What difference does it make?" cried Nankiyell

had been just a few minutes after eleven when I had

"Where's Estha?" were Nankivell's first words. "Gone? Where did she go and when?" he demanded. "I don't know," I replied feebly. "She was there all right a few minutes are, but when I woke up she was "When you woke up?" asked Mariston "Yes," I returned. "I dropped off to sleep and when

"Why, yes," he answered looking down, "No, by thunder, it jen't, Frank! Bob! Turn out! The girl's

"Gone" I susped stunidly. The fumes of that strange steen seemed to still clog my brain

For answer he pointed at the place where Eatha had

lain. It was empty, although the impress of her body

still showed faintly on the veretation. By this time

Nankivell and Mariston were on their feet.

WITH an instriculate cry of rage Nankivell sprang at me, his face working convulsively and in his eyes the light of murder. Willie caught him as he leaned and in the face of his strength Nankiwell's struggles "Steady, youngster" admorabled Willis, "Keep your

"The damned traitor were to alter and let her be "Take at easy, boy," counseled Wilks, "You aren't

going to make matters any better by acting like a kid. Sit quiet and let's hear about it." and he ceased struggling. Wilhis quietly sat him on the

"How did it happen, Danc?" he asked I collected my sentlered wits and told him as clearly as drew in his breath with a share hiss but he did not interrupt me until I had finished. Nankivell had watched

but as the story progressed the anyer faded from his eyes and when I had finished be rose and held out his "I bee your eardon, Dane," he said simply I shook his hand in silence. It was the first word of

but the handsome way in which he atoned for his outburst made me forgive him without rancor "So, old Nahusi got her back," mused Willia.

"By thunder, that's right," exclaimed Willia, "It might have liten either bunch. Both of them have observation posts and projectors at their service. What

"Rays of some sort," I answered. "They affected my watch and that is proof to me that they came from Troyarm projectors. Just what they were, I don't know. I got the Cryptic Degree so hurriedly that I couldn't digest

"We've not to so after her at once." "How long has it been since you were knocked out, I elegated at my watch and may a cry of surprise. It

"We can decide that as we go," replied Nonkivell. "There is mother point that may not have occurred

hopeless unless we were willing to follow her back into I'll follow her to hell?' replied Nankivell "There or heaven is where you'll probably wind up if you try to follow her," anymered Willis anietly, will be pitch dark in another hour and a half and we

the city or even into the sanctuary itself."

"Over six hours' start," said Willis when I told him. "They had plenty of time to get back on the road or even into the city itself. I am afraid that a chase would be

other twelve hours of start which would assure their return to the city before we left this spot. I'm afraid that Mariston slowly nodded assent. Nankivell looked from one to the other and then at me. The force of

"So none of you have the guts to go back with me," he cried. "All right, I'll do better without a bunch of

He seized his rule and pack from the ground and and saw that Mariston was calmly adjusting his nack.

"Oh, don't be such a fool, Frank," replied Mariston in a weary voice. "If you are going back, I'm going with you, of course."

"Of course Bob's going," I said as I packed up my rifle. "In point of fact, we're all going. I don't think ever live to see Troyssa, let alone the sanctuary, but

"Yes," chimed in Willis as he struggled with his pack if that fool youngster just naturally insists on potting himself kelled, I might as well keep him concount

"I box your mylon, follows," he stammered, "You are red pals, all right, but you mustn't go."

in a milion to ever win through and you mustn't throw

you follows have nothing to our and exerciting to lose and I'm sast the other way around." "Oh, shut up and quit arguine," said Mariston suddy. "If you go, we go, and that's all there is to it. We're just wascing time. Before we start, however, we ought

to decide where we are going." "Why to Troyana, of course," exclaimed Narkovill

"Wherever Euly is," he reolled after a moment of

"Agreed, but where shall we try first, the sanctuary closed to no it means suchto and mainful death, own allowing that we can get there, or I miss my suess. M we go to the city, it means slower but considerably more painful death. In printer case will we probably see It's your funeral, Frank, take your choice."

"It is more than possible that Naham, if he is the party responsible for her shacare, has communicated

"Do you think that possible?" he asked.
"More than possible," said Mariston, "I hadn't thought of it before, but now that Willis has mentioned it, it

seems suite probable. He would know that you would hotfoot it back and he might very easily have done that

"It's too lete to do much of anything tonight," said Willis. "It is getting too dark to trail right now and m

another hour it will be entirely dark. If we are going, the best thing to do is to wait for daylight and see if we can't clek up a trail. If we can, all right. If we can't, we can bit for Trayans and go it blind." Nankivell grudgingly assented to Willia' program

and we made camp for the night while the light still fallen and the booming of mescuitos prophesied torness

THE long sleep we had had in the afternoon had rested us and we sat up and discussed plans until

ried that I wouldn't sleep anyway. I'll take the first watch and when I get tired, I'll call you or Ray." Mariston sleeply grunted an assent and Nankivell For a while I watched him pace his best, dusty outlined

is the brilliant moorlight that filtered down through the leaves, and thee I joined Mariston in alcen

coper. I stared dumbly at it for a mornere and then recognized it as a sheet torn from a notebook which I had seen in Nankirell's possession. I turned it over and

"I 30 A.M." it read "Dear fellows: I have been you so with me, especially after what I have seen tonight. While I was on guard, I heard the drams again,

so I didn't wake you, but kept a close worth. The drummine even louder and louder and I thought that my head would burst and then I saw her. I tell you, I saw

Calf with a dozen Burden Bearers ground her. I know then where she was. She duin't know that I could see sean and she looked at them proudly and shook her head

and said something. One of them struck her with a sort

are watched and haven't a dog's chance to win through, and I don't want you to. I took all of the ammunition need it. I have left my share of Zeohanish's diamonds in coverent. Divide them equally between you. Please

Good-bye, fellows, and thanks for the help you would give me of I woke you. Frank."

I read the message twice before I apole. "What are we going to do?" I asked.
"What are we going to do?" I asked.
"What can we do?" solved Mariston sadly. "Prank

is right. He is either in Troyana or braxen by now. If has been elever enough to stop us entirely." "How so?" I asked "He took nearly all the assumption," replied Mariston.

beneficed and fifty rounds; it would be spicidal to try le with fifty-three, and that is all he has left us. He has tilten my automatic, too. No, Dune, he evidently meant it when he said that we were not to follow him. I hare as bedly as you do to desert him but it can't be helped." ing from the direction of Trovasa.

it on hard ground," he recorted, "His tracks are at least five hours old and he headed straight for the road. I'm afraid that there isn't a bit of use in trying to over-

It seemed like the basest kind of treachery to descrit suicidal to try to atorm the halls of Troyana, especially when we had abundant reason to know that our every recovernent was watched and that our enemies would be awaiting us. If we had had the least idea that he was even slive. I think that we would have gone after him, finally gave up discussing it and turned our faces sadly

The Warder of the Outer Ways

ALL day we doggedly made our way coward. The plague of insect life was not as but as it had been on the outward trip, but the ticks and mosquitus were reprocess enough to make it very unpleasant for us. Toward evening the ground began to fall rapidly and the jurgle to get thicker, sure proof to Willis that that led in the general direction that we were going and we essayed to follow it, but the multirades of leeches which fratened on us soon forced us to take to the jungle again and work our way through the figures and

By nightfall we had covered a good distance, and as within six miles of the place where we had left our canoe. The last two miles had been through mud that

was aside deep and the prospect of spending the night half sunk in the page and alime underfoot was not one that induced us to finger "How about it, Ray?" asked Mariston, "shall we try to keep on going in the hope of reaching the came to-

Willis studied the ground before replying. "I don't think so," he answered. "In the first place,

as soon as the sun sets, it will get as dark as the inside of a cow here and I doubt whether we could keep our direction close enough to make any speed, even with the sid of the luminous company. We would probably wander around and not make over two miles forward during the entire right. I hate to sleep in this muck as

Accordingly we set our watches and Mariston and Willis stretched themselves in the stree after a meager support and left me on guard. I found it almost impossible to keep awake. The steady murching of the day, coupled with the stirring events we had gone through had exhausted me both mentally and physically and I was soon sure that the watch which I was keeping was so lace as to be practically worthless. My tour finally ended middle watch. I realized that he was as tired as I was and I finally lay down beside him without culting him. I

The false days had died and the short period of intense darkness that heralds the true down was at its dentest when I awole with a stort. I see holt spright listening intently, but no matter how I strained my den start into cormicte wakefulness. A plance at the face of my watch showed me that it was behaving normally, although it still gave out an abnormally bulliant glow from the excitation which it had recently received There were, however, none of the long tril-tale streamers coming from the dul and I shrugged my shoulders and thought that I must have been dreaming. I listened artim for a short time, but gave it up and lay down Hardly had I reached a prope position than I sat bolt

upright again with another start. Frim and far-distant that I thought for a moment that I must be dreaming and I tried plugging up my ears with my fingers. This the dramming. With a groan I reached over and grasped At my touch be sprang to his feet in that state of

complete wakefolices that characterizes animals and marks men who have spent their years in danger of

"What is it?" he asked in an undertone as he surveyed the country as best he could in the darkness, his drawn pistol in his hand. "Shithby" I whispered "Listen,"

He bern his head and listened. The drummine had momentarily ceased and he held his strained attitude, While he was listening I shook Mariston and he sat up quickly, but much more slowly than the car-like hound which had characterized Willis' awakening.

any sound from the jungle. The usual noctumal noises of the jungle were silent for the most part and only a faire burn of insect life was audible. Willis' hearing was ming before either Mariston or I did, when it exerted

"The drams!" he mattered hoursely. "What the devil is it. Dunc? Are those devils after us amin?" "Hush?" exclaimed Managon. "See if it is getting

We listened intently and for a moment I hoved that Mariston's words might have some foundation in fact, dvine out. Fainter and fainter it not until we could hardly distinguish it again and then, for a moment, it us from miles away. It was faint and almost indistin-

guishable among the other faint noises of the night, but it was enough to blench our faces with terror-As it died away in the distance, so far away in fact that the bubbling grant which ordinarily ended it was totally insudible, the drums started again and this time

While we had been lessening, the dawn had started and the others and met questioning plances from them.

Still faint and far-distant it was, but appreciably pearer than it had been the first time. There was no doubt that it was the cry of the Guardian, for the entire call was audible to our sharpened senses.

"Dame it!" exploded Willis. "Why in thunder didn't "Never mind Frank," I replied, "the question is not

"Nothing that I know of," said Mariston with a mirthless laugh. "There aren't any trees here that we may be one will get through, but since the brutes hunt

HE drumming was more distinct now. From time The driving was more district town. To time it would die out until it was shoot insuffi-Ne and then would come that borrible blood-curdling shriek, each time nearer than the time before

"It won't be long now," said Mariston with a sicids erin in what was evidently an imitation of Naukoutl's "Let's scatter," exclaimed Willis. "It's a sless chance,

We were about to obey his surgestion when a sudden "Wair a minute." I cried. "Bob. didn't Nohme tell us

that these brutes always traveled in packs with some "Yes, be did," said Mariston as he paused.
"Stick together then," I said. "Fellows, it's not hope-

loss yet. We have the sign to give to the Cowags to tance before these things get us, we may have a chance "Right, Dune," eried Mariston. "Spread out a little "What about the drumming?" asked Willis,

Guardige used at was evident that the teck was not more than a few hundred wards away in the jungle. As had happened in our previous excounter with them the cries behind us and then from one side. The beasts were the sound of their passage through the jungle could we hear. We wanted for their nearer armetech The drumming, which had grown more and more insistent, rose to a crescendo and then come the logeful

"I don't know," he replied. "We've got to take some

we have a better chance this way than any other." Notice and scarer came the howls of the approaching

solved of an arrow. I must have caught a glimpse of it as it appreached, for without conscious volition I sentdeply threw the butt of my gun up before my face. the wood was plainly to be heard. "The sign!" I graped, "that arrow was meant to hit." Mariston and Willis dropped their suns and rest them-

arives in the proper position and gave the sign. Instantly a weird call sounded in the jungle and the voice peated and I could make out the fact that it was swinbered but the language was one that I did not know,

drop my gue and join the others in making the sign. "What are we supposed to do?" saked Mariston "Darned if I know," I answered "Stand still. That

is the safest thing that I can think of." "I almost caught the words of that cry last time," said His wish was not long of fulfillment for again the cry arose. Wiffis grunted in satisfaction and, pitching his

voice on a peculiar low writing note, he emitted a series of syllables which meant nothing to me. Anterportly they meant more to the rest of the auditors for the cry came again from the jungle, this time comparatively

"Talk to them, Ray, that's a good chan," said Mariston nervously. "Tell them that you're Santa Claus or something like that," "Shot up?" ejaculated With as he reclied again to

For some time the colloquy went on and then Willis turned to us. "They are not satisfied," he said. "The sign is right

and they don't dare to attack, but he claims that, if we stop, or indeed, would never have started."

"It must be Amos who is drumming," I exclaimed. "Tell him who we are and the condition in Troyana." "Don't do it," interrupted Mariston. "If they know that the power of the Master is broken, or at least checked, there is no telling what they will do."

"What is the same of the Warder of the Outer Ways?" I asked suddenly, "Grdalmi," answered Mariston after a moment's

"Ray." I said, "tell them to send for Gedalish. Inform them that, as wearers of the crimson, we order his

"Good stuff," he answered and save the messare to The Indian replied and for several minutes the talk emphatic in his speech,

"Good," he said at length. "My knowledge of the names of the officers around to improve him. He says

shower of arrows and an attack from the Guardian of "Fair enough," said Mariston. "Now there's nothing to do but wait. Let's make ourselves comfortable " The morning passed away in silence. For some time

died away and quiet reamed. The sun rose higher and rounded by enemies who could casily kill us without our extching a glimpse of them, we had seen no object in become a watch. Indeed, as Mariston pointed out actting a watch would tend to make our attackers think that we were uncertain of our standing. I was about to stretch myself out in the mod and take a nao when an

HAD been drouggler, but not asleen, and it severed impossible that anyone could have approached me from the rear without alarming me; but someone did. for a voice spoke almost in my ear

I jumped to my feet, rubbing my eyes in amazement and confronted a stately grey-harred man. It did not stood before me. One glance at his hawklike visage told

"Fraternal prectings, Brother Godsfish," I said stretching forth my hand, Willis and Mariston strugtte with cold suspicion in his eyes, but as I applied the

"Whence came you?" he asked. I glanced around at the smale. His stance followed mine and a look of understanding came into his eyes. He faced the jurgle and gave some commands in the

"Now we can safely speak," he said with a smile A few minutes of challenging assured hatt of my knowledge and he began to question us. The word of

reached him and he was smitten dumb for a few minutes when I had finished outlining the state of affairs in Troyana to him. Naturally, I said nothing of Eatha on "I thought it strange that I had received no orders on

at length, stroking his beard. "This, then, recreate for the silence. But what do you here? Why are you not

"His orders shall be obeyed," he said. "My brethren,

of course, has been devoured by termites but I shall give you guides and warriors who will quickly construct you There you will release them and send back by them this tolarn, that it may be known that they have done what was ordered. I regret that I cannot go with you to "Where are you going?" I asked.

"Where could I go but to the rescue of the Master and my beethren?" he saked. "I will summon all of the Cowan guards and the packs of the Guardinus from all

"Good for you?" exclaimed Marieton, "Would we be of any help? We would be glad to accompany you," "I appreciate your offer and the Meater shall be in how. "It is what I should expect from loval brethren Did not the Master, however, say that the way was for-

"He did," I admitted. "Then again I say, his orders shall be obeyed," replied Architect rest on you and on all of our brethren and may peace and happeness over be yours. Go on your way and

you. Leave your impediments. It will be carried by your servents " He spoke words of direction to the forest and a half withour speech and treeted away into the jungle. We

"Well, I'll be darned," exclaimed Withs. "I though ever saw. Well, anyway we don't have to earry all this jitak. Let's move."

With lighter bearts than we had since our awakesing we took up our merch.

# The Call

THEN we reached the bank of the river we bustly engaged in making a new cance for us knew the stream like a book, whaled us down to the Eto Tanging in short order. We dismissed them there ding stiffened us up a little, we had the advantage of having the current with us and we made good speed We passed Bacabal without stopping and arrived in good time at Itsitule where our friend, Doss Erfebau, wel-

comed us as men returned from the dead "Where is Pedro?" was almost his first question Mariston told him something of the manner of Pedro's communications from the Master for so long," he said

drath and the Dose stroked his beard reflective

I will have many masses said for the repose of his rond " The Daw's kind offices sped us on our way to Belen and it was only by requesting at of him as a favor, that

him."

I was coming and it was a very excited young wormer who mee me at the dock and dragged me away to "tell her all about it." while Mariston and Willis took our diamonds to Tiffany's for appraisal and safe-keeping. Tiffany's experts warned us against flooding the

out them slowly into circulation for us. While they would not venture to give exact figures, they studed that be present at the wedding, which would take place in

Mariston accepted the invitation gladly, but Willis rewas going on the next boat. He left in fine feather with cable from him in which he asked for the price of a

delaying the wedding until he arrived, but Mariston "I know Ray Willis," he said, "and he is just as likely to work mouth and I never will while I have you two

children on my hands. Go ahead and get married and leave me in peace."

We followed his advice and did so. We both tried to insist that he make his home with us, for a time at least, but he would not hear of it. "I can't do it, Dune," he said. "I like you both, but I world be in the way. You remember what Zepheniah. and start a model fruit pleatation where work shall be and I know that something of the sort is needed and I thirds that I may be able to do some good there and I could do nothing here that others can't do a lot better."

I told him, "and try to develop into a usable form some of the knowledge that I picked up in Troyana. I think "I save with you," he said. "If your rule im't enough to carry out your ideas, mine as always at your call. Meanwhile you and Molly ran keep a room for me and I'll stay with you when I am in New York. You can let Ray stay there for a while when he comes backif he ever does. Now I'll leave you, for I am sailing

It was a good thing that Molly and I did not went for wisely. He didn't so to Ptkin, but he did so to Alexandrin and get mixed up in some excavation work that later to get him out of the arrant. I told him that there was a fortune waiting for him in New York and he he came. I lost no time in getting in touch with Mariston and a month later we three set in my laborators

"He was probably killed within an hour after he left "I don't think so, Dunc," said Maristra with sudden vigor, "I believe that he won through,"
"What makes you think so?" I asked,

"I have felt for morths that he was alive and trying

why I feel it, but in my bones I do " "Have you seen or heard anything that makes you

think so " asked Withs, looking at him lecenly "Nothing definite, no. Why do you ask?" "Because I have lad the same feeling," said Willis. "I have felt that something was just outside my con-

scanzaness trying to get inside Once in particular, when I had some trouble with a bunch of fellohers, who were working for me, and one of them drugged me with I would have sworn that I heard his voice. I out it down to a dream, but since you say what you do I am not to ture."

"That is stronge," replied Mariston. "Twice I have soen him is a dresse. Each time he was attired in the crimson robes of the Cryptic Degree and he tried to get a message across to me, but he couldn't do it. What do you make of it. Dune? Have you had any such indi-

REFORE replying to his question, I went to my safe "I had not intended to mention this for I put it down assistants," I said, "but in view of what you have both felt, perhaps I was wrong. About a year aro-by George, exactly a year ago today," I went on an I glanced at the date of the report in my hand, "one of my autu-He could not make out the words, but it was something

about a mare, a goat and a cobra. I tried to verify his "Mare, goot, cobra," he mused. "I can't see where anything of that sort cornects up with Frank." did that he might have only received a portion of the ones be did set. 'Mare' might be part of 'Marieton,' and cohrs se did get. "stare might be part of stariston, and

gost" "That doesn't seem very probable," said Mariston, "Your receipt of a message by means of instruments "If it were any place other than Troyana in question, which he admits he had, and in your case to muched imhas means of communication that are different from any

thing we know of, and they may be developing some form of telepathy, which accounts for it. All of this I don't believe in spiritualism." "Neither do I," and Wilhs, "although I have seen

"No, I haven't," I replied. "I was trying at that time, line of the observation instruments that they had in Troyeuz. I have made absolutely no progress along the

ane of vision, but I have developed a radio receiver that picks up some of the lower hamponics of radio waves.

more powerful instruments since, but I haven't received "That's a mighty interesting start," said Mariston. "Would you mind letting us see them?" "Not at all," I replied as I led the way into the sound

Mariston turned on the current and revolved one of "You're way off." I kurbed. "You are on a much

shorter wave length than any station sends on. - Let Marriston shook his head and looked armin at the year-old report that he held in his head,

"I am interested in that mystery station," he said "We ought to hear from it tonight, if ever." "Because it is just a year since you last heard," he answered. "Did you ever try to cornect up the date

with anything that happened on our trip?" I thought for a moment and an idea fleahed across my mind. I went to my deak and got out the dury that I had loop during our trip.

"You're rioht," I said as I verified the date. "It is exactly two years to a day since Nankowil left us and tried to make his way back," "Exactly," he replied. "Energy is scores in Troyana would pick out this as the date for malone an artemos

for he would be sure that he would be more in our minds on that day then any other." Greatly excited. I turned to the receiver. "Is that the instrument on which you heard him be-

"No, this is an improved model," I snawered. "Possibly you had better get the old one out," he suggested, "I am no selentist, but it strikes me that there might be something about that old instrument that made it especially good for the purpose,"

fore?" asked Wifter.

I assented and leaving Mariston to play with the new instrument, I went into the storeroom and dug out the older receiver. It was a matter of ten minutes with tubes. I consulted the old report and set the dials and clamped on a headset. As I expected, there was no

"Let me take it," suggested Mariston I modeled and he approached to take the dial. As he did so, I paused in the act of taking off the headphones.

There were words, or at least a murmur of words, issuing from them. I replaced the headset on my head but the voice What is it, Dune?" asked Mariston, his voice quiver-

"I don't know," I replied. "I thought for a memorial I surrendered my place to him and he began with in-

firth totience to turn the dials. Again and again he of the receiver without result. At last he gave up and Instantly his face frose in an expression of amazarment. "My God, Dune!" he exclaimed in a whisper, "listen to this." I took the phones from him and adjusted them but could hear nothing and said so. He took them back and

admitted that he could hear nothing himself I looked around and my attention was drawn by a restless movement on the part of Willis. "I have it." I exclaimed. "The position of our bodies must have been such as to give exactly the right especity

to the receiver to get that station through. Move up same position." For half an hour we somemed around trying to re establish the broken circuit. Suddenly Mariston held

'I'm getting it, fellows," he whispered, "keep steady He listened again and an expression of positive owe

"What is it. Bob 2" I whispered

"Oniet," he reolied, "a's Nankivell." Wills and I involuntarily jumped forward. "Now it's gone," be said, "Get back in position exactly as you were."

Five minutes more of squirming and he announced that he had it. He listened with rapt attention for some time and then motioned me to take his place. I did as and the process of establishing a belance had to be done all over again and again until the right posi-

"I couldn't get any words except 'Nankivell' and that He moved in his chair as he spoke and I heard an indistinct marson. I motioned him to hold his position and began to move my hand about trying to bring it in

Presently I made out a few words. "Mariston, Bob Mariston," I heard faintly and dimly so though it were a voice from another world. There was a punse and the voice spoke again. "Dune, oh Dune, Ray Willis. This is . . . " The voice faded and I had a good deal of trouble to bring it in again. At last I

heard a marmur and by dint of eareful hand movements I brought is once more to auditality "Willis," I heard, "This is Frank Nankivell. I amsafe-but need-Troyans-" The voice faded again. "Let me take it," begged Willis when I reported what

"Dunc knows more about it, let him keep it," said Mariston. "Try again, Dune, this may be life or death

For some time I could not get even a marmur but patience was rewarded at last and I caught a few more

"Need cobalt." I heard, "We need all the cobalt you can carry. The passage that we came out is---"Damn!" I exploded as the voice faded out again Another period of exceful shifting of bodies followed and

the voice came in again. "Mariston," it went on. "Dune, this-safe in Troyana. We are well-need cobsit. Brine all you can carry. The Master gives perTHERE was a crash in my cars followed by a squal from the instrument. I investigated and found that a radictron was burned out. I hurnedly replaced it store the delicate balance we had lost and we gave up

"What do you make of it, Bob" saked Willis when

"If it were anyone but Dune, I would call it a track,"

"It's no trick," I stormed "Keep your shirt on," he laughed. "I can always get a rise out of you. I know that it wasn't a trick Dunc. is salve. He was through to Troyana despite the odds

"Is it bulky like feathers or is it heavy like from?" "It's a metal," I replied, "about hist iron." "Hum," he said thoughtfully. "How much spicce do you think we could pack, Ray!"

"On Hosea's road, I would say twenty-five pounds each, or even thirty pounds at a pinch," he answered.
"Carry?" I asked excitedly. "Are we going back to

Mariston and Willis exchanged glances. as much in the dark as ever. Dots Estabas described "No, Dunc," said Mariston, "av aren't, but Willis and

"If you go, I go," I replied. "No was don't," he answered. I started to protest, but Willis silenced me.

"Now listen to resson, Dune," he said. "In the first place you are married and Molly wouldn't let you so. while Bob and I are foodoose and go as we please with no one to miss us except yourself. In the second place, we can't hope to storm Trowns by force. We'll have to steak in and two are better than three at sneaking. I'd additional weight that he can carry but I wouldn't take a chance on you. Bob is an old woodsman and you aren't. In the third place, Bob and I have done nothing much for the world and you are doing a lot. The world would mas you and it wouldn't miss us. In the fourth place, Bob is crazy to get back there to see Baleis agree and I don't mind admitting that the place has arrece-

tions for me, too. In the fifth and last place, Bob and I won't let you go." My arguments did not move them, nor did I persist very hard in arguing after one look at Maily's face when

she heard that I was thinking of going. After all, it While they assembled their equipment, I spent hours in the laboratory trying to get another message but not

fifteen pounds in blocks and an equal amount in sheets. wanted it, so I made up packages containing therey

each of them would carry each form. The night before "I wish that we had got that message just a little clearer," remarked Mariston as be conned for the bundredth time the words that I had written down "Some things are clear enough. For instance, we know that he is safe in Troyana and safety for him means the sametuary, so that is our goal. It is also elear that we are bringing to him his principal need, colub. We know, or at least are sure, that the Master has given the meaning of that phrase about the way we came not

pounds for each of them, assorting the material so that

"It's fifty-fifty," replied Willis. "I say, take it. It tous open and it's the only way that we know, except through the city and I'll bet my life that it fen't open-"That's exactly what you are betterg," said Mariaton grimly, "your life, and mine to book. However, I arree with you and we'll plan to take that route and then be

Molly and I hade them a sad farewell the next day as the Americ pulled out from her dock and headed down the harbor. Three months later I received a letter

from Don Estebus enclosing one from Mariston Mariston told us that he and Willis had arrived at Becabel without trouble and were leaving for the intenor the next day, taking three Indians with them as nuclders. They had received no other word and were

Instude to Bacabel to see them off. He told us that the men with them were good men, one of them being Pedro's son-in-law, Juan, who was going along for the express purpose of avenuing Pedro's douth. He told that if any men could live to conquer the terra prohibitipo twice, that they were the men. He promised to advise me at once of any news or rumors that reached him. That letter was received over eighteen months ago. There is no need to detail the thousands that I have spent or the hours that I have out in, not only with the old receiver that I heard Nanksvell on, but on newer and

more powerful ones that I have developed, going to unheard of low wave lengths, but my only result has been, with one exception, the silence of the grave. Once indeed, in the dead of night, I heard, or thought I heard, faint and distant, the drumming of the hooves of the Golden Calf, the dreaded Drums of Tapasos. They faded almost instantly and I may have been mistaleen. If I did hear them, what did they sarnify: the

doom of my two friends and thus the doom of Troyage. or the doom of Amos and his cohorts? I do not know and I fear that I never will. Good old Bob, you of the level head and the true heart;

you, Ray with the Bon-like courage and the shrewdness of the feet; and Frank-impulsive, carefree, lovable heartless Troyans-what is your fate? Only the Gods and did not respond, they are silent-silent as the temb

# KETIPUJ

By Samuel Garfinkel

JUST what effect is commic time likely to have on the atmosphere of this earth? Various predictions have been made by men of authority on this subject. Changes are so slight that we, in our human span of life, can hardly expect to notice them. But what if, some time in the dim future, the change becomes so areat that it will definitely affect living conditions on the Earth. In this short, short story, the author uses this theme to give a novel scientific basis to "Retibui." How well he succeeds you can see for yourself.

## Illustrated by WESSO

V. Sunny There 16 4036 Danson Aren call Rustas Sumru L ruler of Verus, in order to relate to his ruler an exceedingly important tale which would aid in clearing a profound saystery on Venus. The servant left in full haste

He then hade his ruler to be scated. Breathing pain-

"It is needless for me to tell you that I am unmarried, for that fact is fully because to your What you do not know is that I am the last descendant of a family whose name is next to yours in importance. This name becomes extinct with my passing. You will soon, I hope, underbecome thecoughly acquainted with this extraordinary tale that I am about to relate to you. It may sound to you as if a medman were speaking, yet it is, nevertheless. true and will explain much that you would wish to know, which is already knows to you, and which this worsterful porration will evoluin. For the next suartenegroups we have attempted communication with Earth without are already obtained answers from Mars and Juniter. The causing the question to arise in our minds whether come trying to find out what this obstomeron might be with

"This levend must on on so that all our children will

### The Tole Rellance

"N the year 2030, Earth-time, before an altar covered with sparkling diamonds and patter wan save, and gold, there loseded an Artec Indian who was fervently praying to his Sun God whose figure rose majesthan twenty-five. His hair was block and straight; his set Mark. Love, current Mark lashes recented those twin black wells. His nose was straight and his mouth was firm. His herenious body rested upon legs that were strong, stunty and nails. His look was alsot and be showed a scholarly forehead. He was sly feet those inches tall and was built straight as an arrow. As he to sneak the moment the burning increase had reached the height of his god's face,

"Oh, mightiest of gods! Ruler of the Sun! Hear sersin my tale and rid me of this life full of sain and "Nine hundred seventy-five years ago I was preclaimed

and worderful phenomena that rose before my neone's eyes made visible through my discoverses. One purht, as I lay sleeping, you came and spoke to me as follows: "'Retipuj, for the discovernes you have made and for a mighto task. You shall live on this Earth until you time comes, you are immortal and cannot die. Prenare

"I awake soon after to find myself in a cold sweat. I thought I had dreamed and an I lamphed at this minks and to realize that you did really come and speak to me grew up to soon forget the knowledge I gave them. Dur-



As even as the people arrived, they were told to enter the projectiles, where the suspendous properties of thulerconium and the new power wrought a marvelous change upon them.

Soon I had passed my hundredth hirthday to see my person. Years passed and my heart healed, but not for

long. I saw all my friends go the way of my parents and wife, my children and their children. I alone remaised immortal. Ansuish seared my soul. Pain for my beloved ones, long dead, shone in my eyes. Tears suffering in silence. I peaved to you, offered sucrifices, and burned income every day, but to no avail. I was even though I tried all poisons, guns and knives.

"Upon finding that I could not die, I closed my eyes you had set me. I had learned all there was to learn when you came to me a week ago and hade me go to this

altar to pray and burn incense. This am I doing O Mighty One, and now I swait your word."

gone. He bowed down until his head touched the finor. Soon music was heard; the body of Retipui stiffened, vocce that seemed to issue from the mouth of the shall found through the air. Its words were "Retipuj, listen carefully to that which I say to you

because your mighty task is near. When you awake you will find yourself in an unknown land. You will be in a sary for your creliminary task. Outside you will find three mires. In each of these mines there is a different from their ores, turify them and form an alloy of all three, using the formula that you will find written upon parchment and placed in your hand. In the mines there are just enough of the metals to form the required amount of alloy. When you have finished forming this

alloy, you will begin to make the projectiles with which Venus. The alloy that you will form will have stupendous properties after it is shaped into the projectile, and a certain power, more powerful than any combination of rays and currents yet known on Earth, is generated to propel it. How to make the generator for this cower and how to make the projectiles, as well as the

knowledge of their stupendous properties, you will find "I shall now explain to you what the impending disaster is. A century ago the atmosphere was composed of 20% oxygen, 79% naregen, and about 1% mert game, including carbon dioxide. Today, unknown to the scien-

tists and due to the fact that all country lands have been how to plant and how a tree looks, the oxygen has diminished to 18%, the nitrogen remains at 79% as do the inert gases at 1%, while carbon dissoids has increased because the country only began disappearing during the last half century. People have torgotten how to plant because their food is made in concentrated or synthetic form from the primary constituents by scientists. The trees and vegetable life have given way to skyscrapers

that hold the hustling people who are slowly overcrowd-

cause there is only one infinitely contested cleas, where there is no distinction between East and West and only "Within a few centuries the oxygen will entirely disappear and in its stead will be 20% carbon dioxide because there will be no weretable life to consume the carbon dioxide which is formed in a thousand and one different ways, while the express is being consumed con-"You now realize that life will become extinct if no environ can be obtained to take the place of that which is being pend. There is no way to replace this our because

ing the world. War, as you know, has entirely reased be-

all its available compounds are being used to form the concentrated foods. To prevent the extraction of human life, it is necessary to transfer the people to a new planet whose atmospheric conditions are favorable for human life. Such a planet will Venus be after I am through working there. "While you are building the projectiles and generators. I will be at work on Venus in order to further its

evulation a few million years, for today Venus is as the Earth was these same few million years aro. Monstern similar to those that level during the Earth's receiver Age roam and rage in the primeval forests of Vessus. To cause them to become extinct and to lower the heat of the planet so that Earthmen should be able to accustom themselves to their immediate surroundings when they arrive, will be my task. "When you have finished the making of the projectiles

and generators I shall come to you again and give you your final instructions for the salvation of humanity. Until then, Ratipuj, Good-bye." As these just words were uttered, the voice ceased and the body of Retipul was encased in vapors. When the vapors had disappeared, nothing of the body could be seen at the altar or elsewhere. It had vanished into thin

WHEN Ratipaj opened his eyes, he found himself in a fully counteed factory, just as his reed had told him he would. In his hand he found a parchment closely Outside he found the three mines spoken of to him while in his trance. Immediately he began to mine the ores. extract the three metals, purify them, and finally, allow them in their proper proportions. To account the task, took him the best part of fifty years, incomuch as ultra-modern accorates at hand. When this took was completed, he becan the building of the projectiles and from the threatening disaster. The projectiles were of an enormous size, being one hundred feet in dispeter and five hundred feet high. Their shape was very reculiar and to describe these projectiles is very difficult. It is sufficient to say that the top end was circular and came to a point, as in a bullet, while the end upon which each projectile rested was houseonal. From one end to the to circle and from circle to broagon, never deninishing the projection, machinery included, were built of this

which were to furnish the unknown power were also built

of this alloy. Seven hundred of these projectiles could be

construction. To complete these projectiles and gener-

an alter and an image of his god, which took him a few days. Uson the completion of the altar and god, he similar to his previous one and the voice of his god came

"Recipul, listen carefully to these, your final instructions. The people on Earth will not be able to exist more than fifty years longer on this planet. My task on Venus tion with the Earth. On the night that you see a falling star within a radius of sexty miles above you and you see the moon divided by colors of red, yellow, and blue, you will know that the time has come for von to start the flight to Versus. Meanwhile notify the world of the impending disester through the medium of thought waves. has ever attempted this practice. Your will power is strong enough to perform this seemingly impossible world of what you say. If the worst comes to the worst apply hypnotism. You are on an uncharted island resection around Markewscar which has no more inhabitants. The tidal wave caused by this uphowal has wreed that island elson. This island upon which you are is only three hundred miles from Madaraster. All the neople are to come to Madaguscur from which you will transfer projectiles. When all the sepjectiles have landed on Venus, I promise you that I will give you that which you

the last time I shall speak to you while you are alive." tervals of three hours he sent out his warning, telling of the disaster and aroing all to come to him. Papers berun to speak of an unknown power that interrupted the people's thoughts at regular intervals and caused them to think of an impending disaster. Vaguely to their minds came the message and they seemed to know where to go in order to escape this. They had some thought of penthat sourc. Steadily for nine years they felt these thoughts. Each day the impulses were stronger. The by blaming the weather and the climate which seemed to

bye, Relips |. You have your final instructions, for this is

Meanwhile as the years rolled by the oxugen diminished as the carbon dioxide increased. Scientists and learned men soon discovered this through various tests for a service of research into this matter. They soen were able to record the impulses on a super-phonographic

plate which gave Retipuj's message to the world. During all this time, the loss of exveen beyon to put in its began to wilt and panic began to reign. The scientists broadcast Retipus's message to the world. The message, besides explaining the thought impulses, caused a stampede for the island of Retipuj. Slups, submarines, surplanes, every available trans-oceanic vehicle was seized in this mad rush for freedom. Many falled to reach

RETIPUJ, during all this, put all the interplanetary webicles into share. He filled all projection with enough food and drink to last all the people until Venus was reached. The new power, on decomposing, fursoon as the people arrived, they were told to enter the projectiles, where the stopendous properties of thulerconium and the new power wrought a marvelous change he was diminished in size until just one foot high. Thus

many could enter each projectile. All the projectiles were controlled by the one in which Retirui had entered. All were trady for the error adventure. The night that the last projectile was compictely filled, Retipoj saw the signal of the falling star the flight had come. Upon seeing this signal, Retipui becon the flight. All experiences worked in unison and all vehicles shot simultaneously into the sir, point at a moderate speed until safely out of the Earth's air miles per second, which is could to the velocity of light As each webicle came within the atmosphere of Venus. its speed was reduced and it was sent in a different direction by Retipui so that all vehicles would scatter the work faithfully and follow instructions carefully. Goodwafted the people to the ground where they attained

> When the vehicle of Retisus decomposed, those within were pushed saide by an unknown force. Suddenly a bult from the sky shot post Retipuj and ripped open a his hole where he stood. A second struck him causing him to fall ento the hole, while a third covered the hole so completely that the people who started looking for Retipus could not discern as much as a sext on the ground where he had last been seen. He had gone to join his During all of the recital of this extraordinary tale,

Rustes Sunaru had listened earefully. As the tale ended he sighed. Rayerem Aram looked up at his ruler; "You understand now why Earth has not responded and why the name of my family is important. You slso

know why this legend must go on. In about fifteen minutes I shall due. Swear to me that my words will not Runtes Suraru made an avowal to immediately tell all Venerians this tale. As the ruler familied this avowal he

wave Ruserem his hand to seal the yow. Ruyerem sentel it, squeezed it once, sighed concentedly, and passed out of this world called Venus. The name of Aram had be-

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marriag-erray males signing over all political supers to the source, a fine promptly destroy all armaments, denotes all armaments and markets, until place reigns supers over all Teresian. Then the here and Arry get married.

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The Wild West

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on "The Causelo Expense". In this clean our was of the principal revilence-fiction, the effect upon beauty



# I Couldn't Get the Good Things of Life Then I Quit My Job and "Found" Myself! "Ve down a pan, as about making ""Ye jun leen dayning and year have poolly liftle clocked job, and decrease are many "I judged regord by below, "the part is beyond the country of th

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withind you often here at the house will be Leading and I think you are a portly good, uprimaling young (cliuw, I layer your littler and mother, and yor've brough ind a good reputation here, too. But let use to you you, on question-how much you you, on question-how much ""houst-period as week," I hald him. I'm continue at you would not wrote it down on a piece of paper. "Itsey you say prospects of a better job." I'm you you you proposed of a better job.

Well that question stopped the ... Well that question stopped the ... How did I. I was white to take a better leb if I saw the chunce all right, but I cettainly had lied no joine to wake man a job for myself. When he saw try conclusion be greated. Then he beld up some figures he'd been recheful at.

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substantial trace to shirpy."

I began to turn red as fore.

"That budget her's an good salver all," be and, glazaring at son; "speake Badget No. 2 well sound better..."

"Thirt: orange, Mr. Salivan," I said.
"Have a bette, I can use things pretty clearly son, then I was being expedit shoot before. Let us go bene and there show the salivan, And shore i well, my gibb to a which it.

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